

EPA Registration No.
352-903
Vol. 2

PROCESSING REQUEST

Reg # 352.903

Decision # 434659

Description: Storage Stability and Corrosion Characteristics

Electronic Label & Letter
(see PPLS):

OR

Non Electronic
Label & Letter
(Scanning required):

☐ Dated:

☒ Dated: 12/11/17

Only one label type should be selected

Other Materials Sent (see jacket):

☐ New CSF(s) Dated:

☐ Other:

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer:

Menyon Adams

Division:

BPPD

Phone:

703-347-8496

Date:

12/11/17



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

December 11, 2017

Ms. Patricia G. Devine
MANAGER, US REGISTRATION, DUPONT CROP PROTECTION
E.I. DuPont De Nemours and Company
CHESTNUT RUN PLAZA (CRP 720/2E5)
974 CENTRE RD.
WILMINGTON, DE 19805

Subject: E. I DuPont De Nemours and Company's Response to Storage Stability and Corrosion
Characteristics Terms of Registration

Product Name (EPA Registration Number)	Application Date	EPA Receipt Date	Term(s) of Registration (Guideline No.)	OPP Decision Number
Refined Oil Nepeta Cataria 15% Lotion 352-903	August 11, 2016	August 12, 2016	Storage Stability (Guideline No. 830.6317)	434659
			Corrosion Characteristics (Guideline No. 830.6320)	

Dear Ms. Devine:

On July 29, 2009 the U.S. Environmental Protection Agency (EPA) issued a Registration Notice for Refined Oil Nepeta Cataria 15% Lotion (EPA Reg. No. 352-903). Term #2 of the Registration Notice required that DuPont Chemical Solutions Enterprise provide acceptable studies to the EPA within 12 months.

On August 12, 2016, the EPA received data from E. I DuPont De Nemours and Company that responded to the data terms of the Registration Notice. In a memorandum dated September 07, 2017, the EPA rated the storage stability and corrosion characteristics (MRID Nos. 499934-01 & 481062-01) data as acceptable. Thus, you have fulfilled Term #2 of the July 29, 2009, Refined Oil Nepeta Cataria 15% Lotion Registration Notice.

The results indicate that for Refined Oil of Nepeta Cataria 15% Lotion formulation is stable and no physical changes and no corrosion evidence in the stored containers during the 12-month test period at storage condition 25°C and 50% relative humidity.

Page 2 of 2
EPA Reg. No. 352-903
OPP Decision No. 434659

If you have any questions, please contact Menyon Adams of my team by phone at (703) 347-8496 or via email at adams.menyon@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Andrew C. Bryceland". The signature is fluid and cursive, with a long horizontal stroke at the end.

Andrew Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

for Section 3

S: 990395

Milestone Email:

Regulatory Type: Product Registration - Section 3

Resubmission: ☒ Yes ☐ No

Application Type: Amendment

Fee For Service: ☐ Yes ☒ No

Billable: ☐ Yes ☒ No

Company: 352 E. I. DU PONT DE NEMOURS AND COMPANY (S



Risk Manager: Biologicals & Pollution Prevention Division, PM Team 91

Product #: 352-903 Product Name: REFINED OIL OF NEPETA CATARIA 15% LOT

Override#:

Me Too

Section3:

Me Too Product

Name:

Application Date: 11-Aug-2016

OPP Rec'd Date: 12-Aug-2016

Front End Date: 12-Aug-2016

Risk Manager Send Date: 12-Aug-2016

FFS Due Date:

Negotiated Due Date:

OPP Target Date:

Fast Track: ☐

New Ingredient: ☐

Receipt Description:

Submission of response to cond data dated 9-1-2010

New Ingredient

Request Date:

New Ingredient

Received Date:

Form A: ☐

Signature Date:

Form B: ☐

Signature Date:

Print Letter

Enter More Information

Tracking

Receipt Content

Des

Study

III

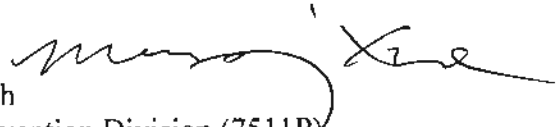
View/Edit


**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

WASHINGTON, D.C. 20460

**OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES****MEMORANDUM****DATE:** September 7, 2017**SUBJECT:** Refined Oil of Nepeta Cataria 7% and 15% Liquid and Lotion Formulations (EPA Reg. #s: 352-902, 352-903 and 352-904), Containing 7% and 15% of Nepeta Cataria Oils (Active Ingredient), Respectively. Review of Storage Stability and Corrosion Characteristics

Decision Number: 434657, 434659 & 434660
Submission Nos.: 990394, 990395 & 990396
EPA Reg. #: 352-902, 352-903 & 352-904
Chemical Class: Biochemical
PC Code: 004801
Active Ingredient Tolerance Exemptions: 40 CFR 180.
MRIDs: 48106201 and 49993401

FROM: Manying Xue, Chemist /s/ 
Biochemical Pesticides Branch
Biopesticides & Pollution Prevention Division (7511P)

Through Russell S. Jones, Ph.D., Senior Biologist /s/ 
Biochemical Pesticides Branch
Biopesticides & Pollution Prevention Division (7511P)

TO: Menyon Adams, Regulatory Action Leader
Biochemical Pesticides Branch
Biopesticides & Pollution Prevention Division (7511P)

Action Requested:

DuPont Crop Protection has submitted studies of storage stability and corrosion characteristics in support of registration of Refined Oil of Nepeta Cataria 7% Lotion (EPA Reg. #: 352-902), Refined Oil of Nepeta Cataria 7% Liquid (EPA Reg. #: 352-904) and Refined Oil of Nepeta Cataria 15% Lotion (EPA Reg. #: 352-903), containing 7 and 15% % of Nepeta Cataria Oils (Active Ingredient), respectively.

BPPD has examined the submitted studies of storage stability and corrosion characteristics. The decisions are made to reflect the current OCSPP's policies.

Recommendations and deficiencies are noted below:

1. The submitted studies of storage stability and corrosion characteristics for Refined Oil of Nepeta Cataria 7% and 15% Liquid and Lotion formulations (EPA Reg. #s: 352-902, 352-903, 352-904) are **ACCEPTABLE**. Results indicate that Refined Oil of Nepeta Cataria 7% and 15% Liquid and Lotion formulations are stable and no physical changes and no corrosion evidence in the stored containers during the 12-month test period at storage condition of 25°C and 50% relative humidity.

Study Summaries

One-year storage stability and corrosion characteristics have conducted for Refined Oil of Nepeta Cataria 7% Lotion (EPA Reg. #: 352-902), Refined Oil of Nepeta Cataria 7% Liquid (EPA Reg. #: 352-904) and Refined Oil of Nepeta Cataria 15% Lotion (EPA Reg. #: 352-903). Samples of the test substances were packaged in bottles identical in materials and construction to the commercial containers in which the product is expected to be packaged. The containers used were glass and high density polyethylene (HOPE) for the formulation samples. The Technical and Manufacturing Grade samples were packaged in glass, HOPE, and aluminum.

Each container was identified with its contents by reference number. The samples were stored in a Caron 6010 environmental chamber at 25°C and 50% relative humidity for the intended storage duration (3 months, 6 months, and 12 months), and then removed from storage, weighed, visually inspected, and the test substance assayed.

Test Substance

Refined Oil of Nepeta Cataria 7% liquid formulation,
Refined Oil of Nepeta Cataria 15% liquid formulation,
Refined Oil of Nepeta Cataria 7% lotion formulation,
Refined Oil of Nepeta Cataria 15% lotion formulation.

Analytical Method

See CONFIDENTIAL APPENDIX for details.

Evaluations of Corrosion Characteristics

Corrosion characteristics were evaluated based upon changes in visual observations of the containers and closures following storage. At each observation time, the containers and closures were inspected inside and outside for perforations, dents, degradation of the seal or cap, and leaks. Two bottles were evaluated after storage for 3 months, 6 months, and 12 months. Six bottles were evaluated after storage for 12

months. Results are indicated in Tables 1-2.

Table 1. Analysis of Storage Stability of 7% and 15% of Nepeta Cataria Liquid Formulations and Physical observations of Corrosion characteristics (Diluted Samples)

Test period (Month)	7% of Nepeta Cataria Liquid AI Avg. Wt. ¹ & (% Recovery)	7% of Nepeta Cataria Lotion AI Avg. Wt. & (% Recovery)	15% of Nepeta Cataria Liquid AI Avg. Wt. & (% Recovery)	15% of Nepeta Cataria Lotion AI Avg. Wt. & (% Recovery)	Physical Appearance
0	6.32	14.0	6.38	14.86	No changes with visual observation for corrosion characteristics
3	6.17 (97.63)	13.76 (98.29)	5.89 (92.32)	13.17 (86.63)	
6	6.85 (108.39)	15.46 (110.43)	6.81 (106.74)	15.48 (104.17)	
12	6.59, 6.50 (103.56)	14.20, 15.46 (105.93)	6.13, 6.08 (95.69)	14.07, 14.41 (95.83)	

¹ Each data point was calculated from six sample analysis.

Table 2. Analysis of Storage Stability of 7% and 15% of Nepeta Cataria Liquid Formulations and Physical observations of Corrosion characteristics (Prepared Samples)

Test period (Month)	7% of Nepeta Cataria Liquid AI Avg. Wt. ¹ & (% Recovery)	7% of Nepeta Cataria Lotion AI Avg. Wt. & (% Recovery)	15% of Nepeta Cataria Liquid AI Avg. Wt. & (% Recovery)	15% of Nepeta Cataria Lotion AI Avg. Wt. & (% Recovery)	Physical Appearance
0	7.24	15.72	6.68	15.51	No changes with visual observation for corrosion characteristics
3	6.79 (93.40)	15.28 (97.20)	6.26 (93.71)	13.73 (88.52)	
6	7.29 (100.69)	16.06 (102.16)	6.66 (99.70)	15.35 (98.97)	
12	6.86, 6.77 (94.13)	14.95, 14.20 (95.90)	6.50, 6.45 (96.93)	14.44, 14.87 (94.49)	

¹ Each data point was calculated from six sample analysis.

Conclusion

The submitted studies of storage stability and corrosion characteristics for Refined Oil of Nepeta Cataria 7% and 15% Liquid and Lotion formulations (EPA Reg. #s: 352-902, 352-903, 352-904) are **ACCEPTABLE**. Results indicate that for Refined Oil of Nepeta Cataria 7% and 15% Liquid and Lotion formulations are stable and no physical changes and no corrosion evidence in the stored containers during the 12-month test period at storage condition (25°C) and 50% relative humidity.

cc: M.Adams; BPPD Chron File; OHAD/ARS
M. Xue, BPPD, 09/7/2017

~~CONFIDENTIAL APPENDIX~~Analytical Method

Gas Chromatography (GC) utilizing a Flame Ionization Detector (FID) was used in these analyses. The samples to be analyzed were the refined oil of Nepeta cataria, also called Hydrogenated Catnip Oil (HCO) made up in either a liquid or a lotion formulation. The methods E108324-119, "Gas Chromatograph Method for the analysis of Hydrogenated Catnip Oil (HCO) in Formulations" and E108324-122, "Gas Chromatograph Method for the analysis of Hydrogenated Catnip Oil (HCO)" were followed for these analyses.

A solution of the formulation sample containing a known amount of the internal standard, 1,2-dibromobenzene, is analyzed by gas chromatography (GC) for the weight percent of each of the active ingredients in the liquid or lotion formulations or in the Technical and Manufacturing Grade, employing a DB-FFAP column and Flame Ionization Detector (FID). The weight percent of each component is determined by comparisons to calibration curves (peak area ratio vs. amount ratio) prepared from the analysis of standard solutions.

The sample preparation for the liquids consisted of accurately weighing three separate portions of the sample from a given container and mixing with an appropriate amount of Internal Standard Solution. For the lotions, three separate portions were accurately weighed, mixed with an appropriate amount of Internal Standard Solution, and filtered into a sample vial. These sample preparations, called "as prepared" or "neat" were analyzed directly using the GC techniques. These sample preparations were also diluted (1-part test material plus 4 parts solvent for the 7% formulations and 1 part test material plus 9 parts solvent for the 15% formulations) and analyzed using the GC techniques. These sample preparations were called "diluted".

Thus, for a 7% liquid formulation, there were three "neat" samples and three "diluted" samples obtained from any given container. There were a similar number of samples for the other ethanoic liquid and lotion formulations.

The reported results are the average of duplicate analyses of triplicate samples. Standard solutions were prepared from analytical reference standards. The Analytical Standards for analysis of samples were:

Trans-cis Nepetalactone	98%
Dihydronepetalactone 1	99%
Nepetalic Acid 2	85%
Pulegic Acid 1B	96%
Beta-Caryophyllene	99.5%
1,2-Dibromobenzene	98%

Sample Calculation Using Agilent (Hewlett Packard) ChemStation

The chromatographic data processing software of the ChemStation uses peak areas of each component analyzed and an internal standard, 1,2-dibromobenzene, to determine the concentration of the samples. Standard solutions containing known amounts of each component to be analyzed and 1,2-dibromobenzene are first analyzed to create a calibration. The calibration points are constructed by calculating an amount ratio and an area ratio for each level in the calibration table. An equation for the curve through the calibration points is then calculated using linear least squares, and the slope is determined, with the intercept set to zero.



DuPont Crop Protection
 Stine-Haskell Research Center
 P.O. Box 30
 Newark, DE 19714-0030

August 11, 2016

VIA FEDERAL EXPRESS

Fee For Service: No Fees are proposed for this action, as none are required to submit studies.

Ms. Linda Hollis
 Biopesticides and Pollution Prevention Division (BPPD)
 Document Processing Desk
 U.S. Environmental Protection Agency
 Office of Pesticide Programs (7504P)
 One Potomac Yard
 2777 S. Crystal Drive
 Arlington, VA 22202

Subject: Submission of Response to Storage Stability & Corrosion Characteristics Decision #434656 (dated 01-September-2010) for

Refined Oil of *Nepeta cataria* technical; EPA Reg. 352-901 (Formerly 71654-20)
 Refined Oil of *Nepeta cataria* 7% Lotion; EPA Reg. No. 352-902 (Formerly 71654-21)
 Refined Oil of *Nepeta cataria* 15% Lotion; EPA Reg. No. 352-903 (Formerly 71654-23)
 Refined Oil of *Nepeta cataria* 7% Liquid; EPA Reg. No. 352-904 (Formerly 71654-24)
 Refined Oil of *Nepeta cataria* 15% Liquid; EPA Reg. No. 352-905 (Formerly 71654-25)

Dear Ms. Hollis:

In May of 2014, the above listed products were transferred from company # 71654 (DuPont Chemical Solutions Enterprise) to company # 352 (DuPont Crop Protection).

In the process of reviewing the products, it was discovered that in September of 2010, company # 71654 received an evaluation of the Storage Stability study (MRID 48106201) submitted in response to the terms and conditions of registration as issued December 4, 2008. This study (OPPTS 830.6317 and 830.6320) was classified as UNACCEPTABLE BUT UPGRADABLE.



DuPont Crop Protection
Stine-Haskell Research Center
P.O. Box 30
Newark, DE 19714-0030

DuPont Crop Protection has determined that no response to this communication was ever submitted by company #71654 prior to the transfer. Therefore, we submit herein a position paper identified as DuPont-47312 in response to the three items identified in the communication to Company # 71654 as per Decision #434656.

A data transmittal and three copies of the following position paper are enclosed:

DuPont-47312	Refined Oil of <i>Nepeta Cataria</i> : Response to Decision # 434656 (Storage Stability and Corrosion Characteristics (MRID 48106201))
--------------	--

Please feel free to contact me at (302) 451-4525 if you have any questions regarding this submission.

Sincerely,

Bonnie J Bieher
U.S. Product Registration Specialist

DATA TRANSMITTAL DOCUMENT

Refined Oil of Nepeta Cataria

Name and Address of Submitter:

E.I. DuPont de Nemours and Company
1090 Elkton Road P.O. Box 30
Newark, DE 19714

Phone (302) 451-4525 (Bonnie J Bieber)

Regulatory Action in Support of Which this Package is Submitted:

Information Submitted in support of continued registration of Refined Oil of *Nepeta cataria*

Product Name:

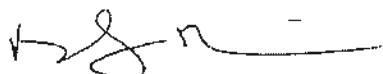
Refined Oil of Nepeta cataria technical; EPA Reg. 352-901 (Formerly 71654-20)
Refined Oil of Nepeta cataria 7% Lotion; EPA Reg. No. 352-902 (Formerly 71654-21)
Refined Oil of Nepeta cataria 15% Lotion; EPA Reg. No. 352-903 (Formerly 71654-23)
Refined Oil of Nepeta cataria 7% Liquid; EPA Reg. No. 352-904 (Formerly 71654-24)
Refined Oil of Nepeta cataria 15% Liquid; EPA Reg. No. 352-905 (Formerly 71654-25)

Transmittal Date: August 11, 2016

List of Submitted Studies:

<u>Data Requirement</u>	<u>Doc Number</u>	<u>Study Title</u>	<u>MRID</u>
NA	DuPont-47312	Refined Oil Of <i>Nepeta Cataria</i> : Response To Decision # 434656 (Storage Stability and Corrosion Characteristics (MRID 48106201))	49993401

Submitter:



Date:

11- AUG-2016

Bonnie J Bieber

U.S. Product Registration Specialist

Company Name: E.I. du Pont de Nemours and Company



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 9, 2017

Bonnie J. Bieber
Product Registration Specialist
E.I. DuPont de Nemours and Company
Stine-Haskell Research Center
PO Box 30
NEWARK, DE 19714

Subject: Pesticide Registration Improvement Act (PRIA) Labeling and Formulation Amendment – Amended Product Identity and Composition. Basic Confidential Statement of Formula (CSF) and label changes including container handling statements, marketing claims and formatting changes.
Product Name: Refined Oil of Nepeta Cataria 15% Lotion
EPA Registration Number: 352-903
Application Date: September 23, 2016 and October 17, 2016
OPP Decision Number: 521892 and 522874

Dear Ms. Bieber:

The amended labeling and Confidential Statement of Formula (CSF) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. This PRIA amendment includes changes proposed in a non-PRIA amendment (OPP Decision No. 522874).

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

Please note that the record for this product currently contains the following acceptable CSF:

- Basic CSF dated 10/04/2016

Any CSFs other than that listed above are superseded/no longer valid.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may

Page 2 of 2
EPA Reg. No. 352-903
OPP Decision No. 521892 and 522874

distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 § CFR 152.3.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Menyon Adams of my team by phone at (703) 347-8496 or via email at adams.menyon@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Andrew C. Bryceland". The signature is fluid and cursive, with a long horizontal stroke at the end.

Andrew Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure



Refined Oil of *Nepeta cataria* 15% Lotion

INSECT REPELLENT LOTION

Repels Mosquitoes and Blackflies

<i>Active Ingredients</i>	<i>By Weight</i>
Refined Oil of <i>Nepeta cataria</i>	15.0%
<i>Other Ingredients</i>	85.0%
TOTAL	100.0%

EPA Reg. No. 352-903

EPA Est. No. _____

Nonrefillable Container

Net: _____

E. I. du Pont de Nemours and Company
Chestnut Run Plaza, 974 Centre Road
Wilmington, DE 19805

Net Contents: _____

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a Poison Control Center or doctor for further treatment advice.

If Swallowed: Call Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes moderate eye irritation. Avoid contact with eyes. Wash thoroughly with soap and water after handling. If a reaction to this product is suspected, discontinue use and take off contaminated clothing. Discontinue use and consult a doctor if irritation or rash occurs.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the poison control center at 1-800-222-1222. For non-emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 (NPIC Web site: www.npic.orst.edu)

ACCEPTED

03/09/2017

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended for the
pesticide registered under
EPA Reg. No. 352-903

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Repellency – Repels mosquitoes and blackflies for up to 7 hours.

Apply liberally and evenly over dry, exposed skin. Do not apply over cuts, wounds or freshly shaved skin. When applying to children, dispense into an adult's hand and then spread evenly and completely over the child's exposed skin, taking care not to contact the child's fingers and hands.

To apply to face; apply to palms of hand and rub on skin. Do not apply to children's hands.

For continued protection: Reapply after 4 -6 hours (or as needed).

After returning indoors, wash treated skin with soap and water or bathe. Also wash clothing before wearing it again

STORAGE AND DISPOSAL

Do not contaminate water or food by storage or disposal.

PESTICIDE STORAGE: Store away from children

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Never place unused product down any indoor or outdoor drain.

CONTAINER HANDLING:

Nonrefillable container. Do not reuse or refill this container. If empty: Offer for recycling if available or discard in a sanitary landfill. If partly filled: Call your local solid waste agency for disposal instructions.

(NOTE TO REVIEWER: All claims in this section are optional)

- Mosquito repellent
- Blackfly repellent
- Repels mosquitoes
- Repels blackflies
- Effective protection from mosquitoes, blackflies
- Effectively repels mosquitoes and blackflies
- (Effective) protection (from a range of mosquitoes and blackflies)
- Repels mosquitoes that may carry (West Nile Virus) (Eastern Equine Encephalitis)
- Works great on blackflies
- Protection (from bites) from blackflies (for the whole family)
- Protection for people on the go
- Protection that fits your lifestyle
- Protects from mosquitoes and (blackflies) (for up to 7 hours)
- Apply every 6 hours (or as needed)
- Repels mosquitoes and blackflies for up to 7 hours
- (Smart) Outdoor protection (from annoying (mosquitoes) (blackflies) (for up to 7 hours)
- Repels flies (too!)
- Keeps (mosquitoes), (blackflies) off (your family)
- Guards the whole family
- Protection that fits your (active) lifestyle
- Protect(s) your family at dusk and dawn
- An effective insect repellent
- Protection during outdoor activities
- (Sport) (Active) (Outdoor) formula
- Outdoor mosquito and blackfly protection for play and on the go
- For yardwork and camping
- Protects during work, play or recreation
- Contains (a) plant-based repellent
- Contains (a) plant-based Active Ingredient, Refined Oil of Nepeta cataria
- Plant based repellent Active Ingredient, Refined Oil of Nepeta cataria (mosquitoes) (and) (blackflies) for (up to 7 hours)
- Contains plant extracts
- Plant based ingredient
- Contains the insect repellent found in (catmint) (catnip) (oil)
- (Plant based) (insect repellent without trade offs)
- Always carry (product name)

- For playing and relaxing outdoors
- Not oily, greasy or sticky
- No added fragrance
- Contains no dyes (or added fragrances)
- No chemical odor
- No synthetic odor
- No unpleasant odor
- Leaves pleasant feeling on skin
- Won't stain
- (Readily) (Easily) washed off
- Won't harm plastics
- Specially formulated to (feel) (and) (smell) better on your skin
- (light) (gentle) (clean) (mild) (smooth) (non-greasy) (pleasant) (feels great) (comfortable) formula
- No residue on skin
- (it's) pleasant smelling
- feel's comfortable
- DEET free
- Non DEET
- Non synthetic
- Readily washed off
- New!
- Repels (mosquitoes)(,) (and) (blackflies)
- Repels mosquitoes that may carry (West Nile) (St. Louis) (Eastern equine) (Western equine) (LaCrosse) (Cache Valley) encephalitis (for up to 7 hours)
- up to 7 hour insect repellent
- up to 7 hour protection
- (Up to) 7 hours of (effective) mosquito protection
- (Up to) 7 hours of protection from mosquitoes. Also (protects against) (works on) (repels) (blackflies)
- Protects for (up to) 7 hours against (mosquitoes)(,) (and) (blackflies)
- (Protects against) (Fights off) (Repels) (Works on) (mosquitoes)(,) (and) (blackflies)
- Protects against mosquitoes and (blackflies)
- Long-lasting protection against (mosquitoes)(,) (and) (blackflies)
- Effective protection from mosquitoes
- Effective protection from blackflies
- Stay protected for up to 7 hours (from) (mosquitoes)(,) (and) (blackflies)
- Stay protected for up to 7 hours from mosquitoes that may carry (West Nile) (St. Louis) (Eastern equine) (Western equine) (LaCrosse) (Cache Valley) encephalitis
- Proven protection from mosquitoes
- Mosquito protection (for up to 7 hours)
- Biting (mosquito), (blackfly) protection that you can feel confident will last up to 7 hours
- Repels mosquitoes (for up to 7 hours)
- Repels blackflies (for up to 7 hours)
- Easy to (Use) (Apply)
- For (hiking) (fishing) (hunting) (camping) (backpacking)
- Relax and enjoy the (outdoors)(,) (the great outdoors)(,) (backyard)(,) (outside)(,) (park)(,) (woods/forest) with up to 7 hours of protection against (mosquitoes) (blackflies)
- Portable repellent protection
- Comfortable feel with no chemical (odor)(smell)
- Comfortable feel with pleasant smell
- Long-lasting
- Contains Refined Oil of *Nepeta cataria*
- Essential oil based repellent, not a synthetic chemical.
- Plant based essential oil insect repellent.
- Essential oil insect repellent with up to 7 hours of effective protection [against] [mosquitoes] [and] [blackflies]
- Insect repellent with up to 7 hours of effective protection (against mosquitoes) and (blackflies)
- An essential oil repellent that protects against mosquitoes that may carry West Nile Virus

- Repels mosquitoes that may carry West Nile Virus, Encephalitis
- Effective mosquito repellent
- Repels mosquitoes for up to 7 hours, which may carry West Nile Virus and Encephalitis
- Plant based, essential oil that repels mosquitoes for up to 7 hours
- A plant based insect repellent with up to 7 hours of effective protection
- Good for people
- Protects people
- Produced from a renewable resource

D - 1944 102816

LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read this Limitation of Warranty and Liability Before Buying or Using This Product. DuPont will not be responsible for losses or damages resulting from the use of this product in any manner not specifically directed by DuPont. User assumes all risks associated with such non-directed use. If the Terms Are Not Acceptable, Return the Product at Once, Unopened, and the Purchase Price Will Be Refunded.

It is impossible to eliminate all risks associated with the use of this product. Such risks arise from weather conditions, soil factors, off target movement, unconventional farming techniques, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of DuPont. These risks can cause: ineffectiveness of the product, crop injury, or injury to non-target crops or plants. WHEN YOU BUY OR USE THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.

DuPont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, DUPONT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL DUPONT OR SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BUYER'S OR USER'S BARGAINED-FOR EXPECTATION IS CROP PROTECTION. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE EXCLUSIVE LIABILITY OF DUPONT OR SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, TORT OR STRICT LIABILITY), WHETHER FROM FAILURE TO PERFORM OR INJURY TO CROPS OR OTHER PLANTS, AND RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT, OR AT THE ELECTION OF DUPONT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

To the extent consistent with applicable law that allows such requirement, DuPont or its Ag Retailer must have prompt notice of any claim so that an immediate inspection of buyer's or user's growing crops can be made. Buyer and all users shall promptly notify DuPont or a DuPont Ag Retailer of any claims, whether based on contract, negligence, strict liability, other tort or otherwise, or be barred from any remedy.

This Limitation of Warranty and Liability may not be amended by any oral or written agreement.

For product information call: 1-888-6-DUPONT [1-888-638-7668]

Internet address: <http://cropprotection.dupont.com/>

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BPPD Old Active Ingredient Checklist

New Product Registration/Existing Product Amendment

Fast Track X PRIA Actions B600 ☐, B660 ☐, B670 ☐, B680 X, B710 ☐, B720 ☐, B730 ☐, B880 ☐ & B900 ☐

EPA Reg. No.: 352-903

RAL: Menyon Adams

Application Date: September 23, 2016 and October 17, 2016

X	Check list Item	Yes	No
1.	Application Form (EPA Form 8570-1) - signed & complete including package type? IF NO, STOP! Call applicant and have them correct application and resubmit.	X	
2.	If amendment, was final printed labeling received for previous action? IF NO, STOP! E-mail applicant and request final printed labeling.	X	
3.	Confidential Statement of Formula (CSF) EPA Form 8570-4 Basic Formula X Alternate Formula(s) <input type="checkbox"/> _____		
a.	CSF Review completed? IF YES, SKIP to ITEM 4.	X	
b.	CSF is signed and dated? IF NO, CALL APPLICANT.	X	
c.	Completely filled out: CAS numbers, pH, flashpoint, flammability, if applicable?	X	
d.	Are the totals accurate?	X	
e.	Certified limits agree with 40 CFR 158.175? Note that if preliminary or 5 batch analysis differ from Section 158.175(b), limits based on batch analysis would need to be proposed under Section 158.175(c).	X	
f.	Viability (if live microbial, i.e., cfu/gram)? NA X		
g.	PC codes assigned on CSF for actives & inerts plus 40 CFR 180.910, 180.920, and 180.930 codes noted for products that have food or feed uses?		
h.	List 1 inert ingredient(s) present in the formulation? If YES, be sure it is listed on the label.		
i.	Alternate formula(s) do not require different labeling from basic CSF or other alternate CSFs per 40 CFR 152.43(b)(3). NA <input type="checkbox"/>		X
j.	Source for a.i. is a registered pesticide? (When a proposed alternate or new basic formula involves a new registered manufacturing-use product as the active ingredient source it must be determined whether the manufacturing-use products used to formulate are similar enough to warrant use of existing product specific data such as acute toxicity.)	X	
k.	Does CSF list peanuts, tree nuts, milk, soybeans, eggs (including putrescent eggs), fish, crustacea, or wheat commodities? IF YES , RAL must evaluate label directions for compliance with 40 CFR 180.1071.		X
4.	Data and Data Matrix present. (EPA Form 8570-35)	X	
a.	a) Using Selective Method? [IF NO, SKIP to ITEM 5 since data matrix required for selective method.]		X
b.	Complete Data Matrix supporting both the product registration and, if applicable, the proposed amendment. Minimum Data Matrix for registration includes: product specific acute toxicity, product chemistry, and efficacy data for public health pests claimed on label.		
c.	Adequate product specific data submitted?		
d.	Registered source used for active ingredient? IF YES, SKIP to ITEM 5. (If active ingredient is from a registered source (manufacturing-use product), generic data should be satisfied by registered source.) IF NO or if use not supported by registered source , generic data is necessary.		
e.	Data passed PR Notice 86-5 for formatting and MRID number assignment?		
f.	Public copy of Data Matrix provided? (PRN 98-5)		
5.	Certification with Respect to Citation of Data (EPA Form 8570-34): See 40 CFR 152.80-98 and PR Notice 98-5 [Note: If no data are required or submitted, form is not needed. This is often true for minor amendments.]		
a.	Did applicant check a Method of Support?	X	
b.	General Offer to Pay checked for Cite-all Method or Cite-all under Selective Method?		
c.	Is the form signed and dated?		
d.	Check form and Data Matrix; are Exclusive Use data cited from other sources?		
e.	IF YES , is the required authorization letter included in application?		
6.	Formulators Exemption (EPA Form 5870-27)		
a.	If registrant is using a registered source active ingredient in the formulation (manufacturing-use	X	

	product), is form filled out completely and signed?	NA <input type="checkbox"/>	
#	Check list Item	Yes	No
7.	Exclusive Use Notice Requirement Prior to Registration (Required per 40 CFR 152.116, separate from permission of an exclusive use data submitter to rely on exclusive use data) Is this an exclusive use active ingredient or mix of active ingredients (registered w/in last 10 yrs)? If YES, go to a) or b) below.		X
a.	a) Has a notification of intent to register letter or email been sent to the exclusive use data submitter(s) at least 30 days before registration? (This notification is required for all methods of data support except when the exclusive use data submitter(s)' product is used to formulate and the formulator's exemption is claimed.)		
b.	Has exclusive use data submitter requested during 30 day period the applicants' list of data requirements and method of compliance?		
c.	Has registrant submitted certification from exclusive use data submitter that submitter is aware of the application and does not object to the registration ?		
8.	Science Review completed? Comments:	x	
9.	Label(s) Review: Menyon Adams <u>Date of Label Review:</u>		
a.	Label(s) in conformance with current <i>Label Review Manual</i> and appropriate REDS.	x	
b.	Labeling statements and claims are supported by Acute Toxicity, Product Chemistry data (or acceptable waivers). Acceptable efficacy studies support public health pests claimed on label.	x	
c.	Nominal concentration of active ingredient shown in ingredients statement.	x	
d.	Viability included as sub-statement of Ingredient Statement (if live microbial, i.e., cfu/gram).		
e.	Storage and disposal instructions agree with container types listed on application form.	xx	
f.	Unique Product Name for Same Company (Check OPPIN).	x	
g.	Does CSF list peanuts, tree nuts, milk, soybeans, eggs (including putrescent eggs), fish, crustacea, or wheat commodities? If YES, RAL must evaluate label use directions for compliance with 40 CFR 180.1071.		x
h.	Does label bear "National Organic Program" (PR Notice 2003-1) or OMRI claims?		x
	If YES, National Organic Program or OMRI claims approved by Chris Pfeifer? <input type="checkbox"/>	NA	
i.	Labeling is acceptable. Corrections or changes are NOT necessary.	x	
j.	Are DERs attached?		
k.	Comments:		



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460**

OFFICE OF PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

DATE: Oct. 11, 2016.

SUBJECT: Science review in support of change in formulation of registered products, 7 % and 15% Lotion formulations, EPA Reg. Nos. 352-902 and 352-903, respectively, containing 7 % and 15 % w/w Refined Oil of *Nepeta cataria* as active ingredient.

Decision Number: 521893
DP Number: 436157
EPA File Symbol Number: 352-902 & 352-903
Chemical Class: Biochemical
PC Code: 004801
CAS Number: 8023-84-5
Active Ingredient Tolerance Exemptions: Non- food
MRID Numbers: 500324-01

FROM: Clara Fuentes, Ph. D. Entomologist
 Biochemical Pesticides Branch
 Biopesticides & Pollution Prevention Division (7511P)

A handwritten signature in black ink, appearing to be "Clara Fuentes", is written over the signature line.

THROUGH: Angela Gonzales, Biologist
 Biochemical Pesticides Branch
 Biopesticides & Pollution Prevention Division (7511P)

TO: Menyon Adams, Regulatory Action Leader
 Biochemical Pesticides Branch
 Biopesticides & Pollution Prevention Division (7511P)

ACTION REQUESTED

DuPont Crop Protection has submitted for review upgraded Product Identity and Composition, and CSF, dated Oct. 04, 2016, to reflect change in product formulation for registered products, 7 % and 15% Lotion formulations (EPA Reg. No. 352-902 and 352-903, respectively).

COMMENTS AND RECOMMENDATIONS

Product Chemistry: Acceptable.

Product Identity and Composition, manufacturing process, and discussion of formation of impurities for 7 % and 15 % Lotion formulations, EPA Reg. No. 352-902 and 352-903, respectively, in MRIDs 470033-01 and 474229-01 has been now upgraded in MRID 500324-01 to reflect change in formulation. Refer to Confidential Appendix for specifications.

Mammalian toxicity: Acceptable.

The formulation amendment is not expected to change the toxicological profile of the formulations. It is acceptable to bridge to toxicity data generated on 15 % Lotion formulation (EPA Reg. No. 352-903) that is being cited in support of registration of 7 % Lotion formulation (EPA Reg. No. 352-902). These data were reviewed and found acceptable per Roger Gardner's review memo dated Oct. 10, 2007.

Table 1. Toxicological profile of 15 % Lotion formulation (EPA Reg. No. 352-903).

Study Type/OCSPP Guideline	LD ₅₀ /LC ₅₀ /Results	Toxicity Category	MRID
Acute Oral Toxicity/OCSP 870.1100	> 5,000 mg/kg	IV	469773-01
Acute Dermal Toxicity/OPPTS 870.1200	> 5,000 mg/kg	IV	469773-02
Acute Inhalation Toxicity/OCSP 870.1300	Waiver	IV	469773-06
Acute Eye Irritation/OCSP 870.2400	Minimal effect clearing in 24 hours	IV	469773-03
Acute Dermal Irritation/OCSP 870.2500	Non- irritating	IV	469773-04
Skin Sensitization/OCSP 870.2600	Not skin sensitizer	IV	469773-05
Hypersensitivity incidents (non-guideline)	None reported		

The cited toxicity data was reviewed by Roger Gardner's review memo dated Oct. 10, 2007.

Product Performance: Acceptable.

The formulation amendment is not expected to affect the efficacy of the products. Therefore, data from efficacy studies in MRIDs 469774-24; 469774-25; 473626-03; 470156-02 shows that complete protection times against mosquitoes averaged approximately 6 hours for 7 % and 15 % Lotion formulations. Mean complete protection times against blackflies averaged approximately 7 hours for 7% and 15% Lotion formulations. Doses applied to subjects for testing efficacy are presented on Table 2. The descriptive statistics associated to protection times are presented in Table 3 and 4.

Table 2. Doses (mg/cm²) Applied to Test Subjects.

Units	7% Lotion	15% Lotion
mg/cm ²	2.56	2.52
g/600cm ²	1.536	1.512
mg/m ²	1792	3780
OPPTS 810.3700 rec. values (g/600cm ²)	1.50	1.50

Table 3. Protection times (in minutes) for 7% Lotion formulation on 2 different target pests, mosquitoes and black flies, tested in the field.

Descriptive Statistics	FL-mosquito	ME-mosquito	ME-black fly	ME-black fly
N	5	5	5	5
Minimum	270	410	338	139
25%ile	276	413	344	310
Median	282	480	480	480
75%ile	469	480	480	480
Maximum	480	480	480	480
Mean	354	453	425	412
StdDev	105	37	75	152
Std Error	47	17	33	68
Lower 95% CI	224	407	332	222
Upper 95% CI	485	499	518	601
Normality P value	>0.10	>0.10	>0.10	>0.10
Passed normality test? (α=0.05)	yes	yes	yes	yes
Skewness	0.30	-0.30	-0.30	-1.1
Kurtosis	-2.2	-2.2	-2.2	-0.92

Table 4. Protection times (in minutes) for 15% Lotion formulation on 2 different target pests, mosquitoes and black flies, tested in the field

Descriptive Statistics	FL-mosquito	ME-mosquito	ME-black fly	ME-black fly
N	10	10	10	10
Minimum	309	480	318	335
25%ile	320	480	418	458
Median	341	480	476	480
75%ile	461	480	480	480
Maximum	480	480	480	480
Mean	374	480	447	461
StdDev	68	0.0	52	46
Std Error	22	0.0	17	15
Lower 95% CI	325	480	409	428
Upper 95% CI	422	480	484	494
Normality P value	>0.10	-	>0.10	0.03
Passed normality test? ($\alpha=0.05$)	yes	-	yes	no

Mosquito species encountered in Maine and Florida testing sites were identified as: *Culex* complex of spp. *Ochlerotatus intrudens*; *Psorophora ferox*, *Ochlerotatus atlanticus/tormentor*, *Ochlerotatus taeniorhynchus*, and *Culiseta melamira*; *Culex isolambdis*.

Non-target data:

Risk of exposure to non-target organisms is not expected from the use of these products as insect repellents.

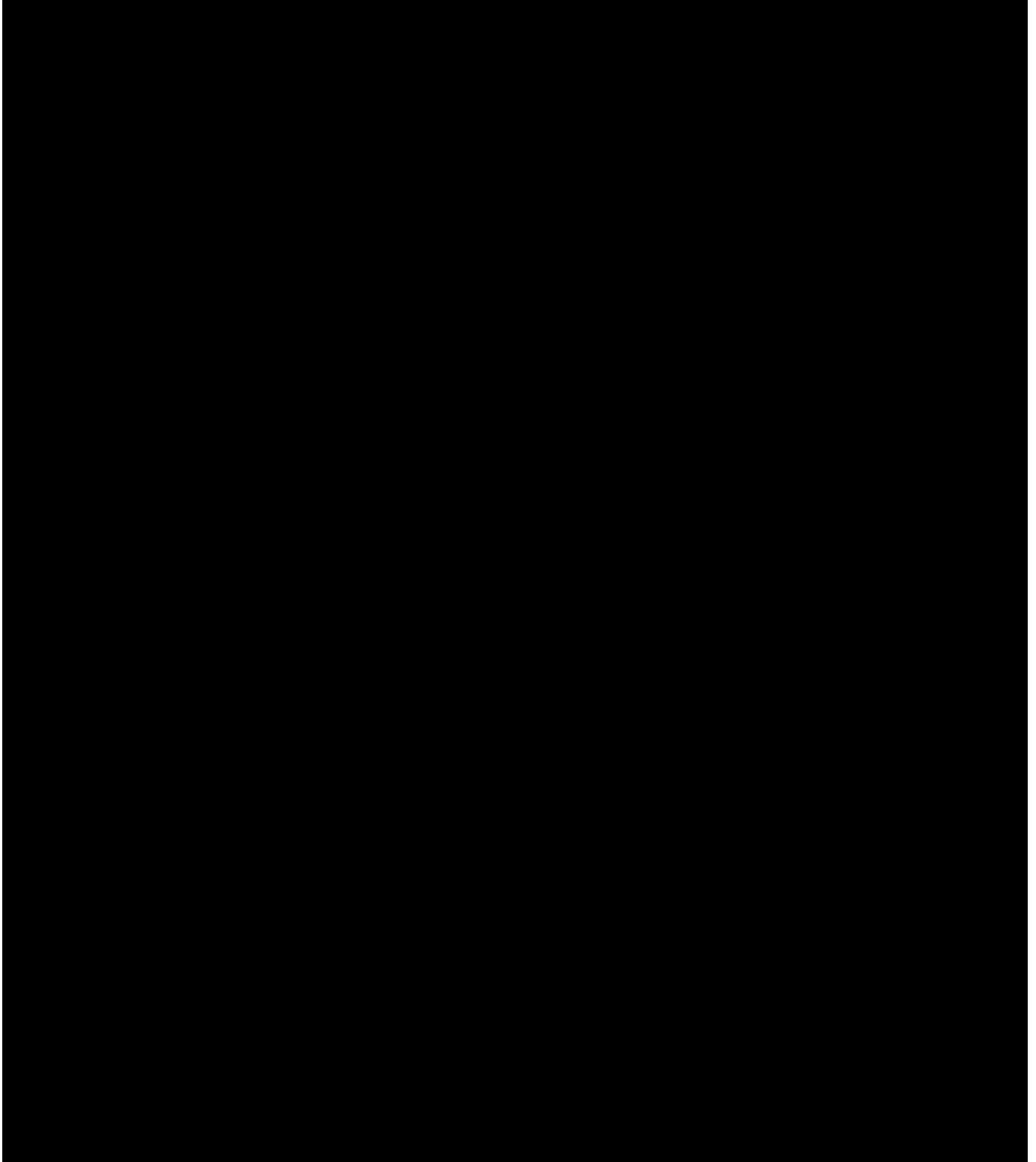
References:

Roger Gardner's review memos of Mammalian toxicity and Human Health Risk Assessment data in MRIDs 469773-01 through 469773-5, dated Oct. 10, 2007.

CONFIDENTIAL APPENDIX

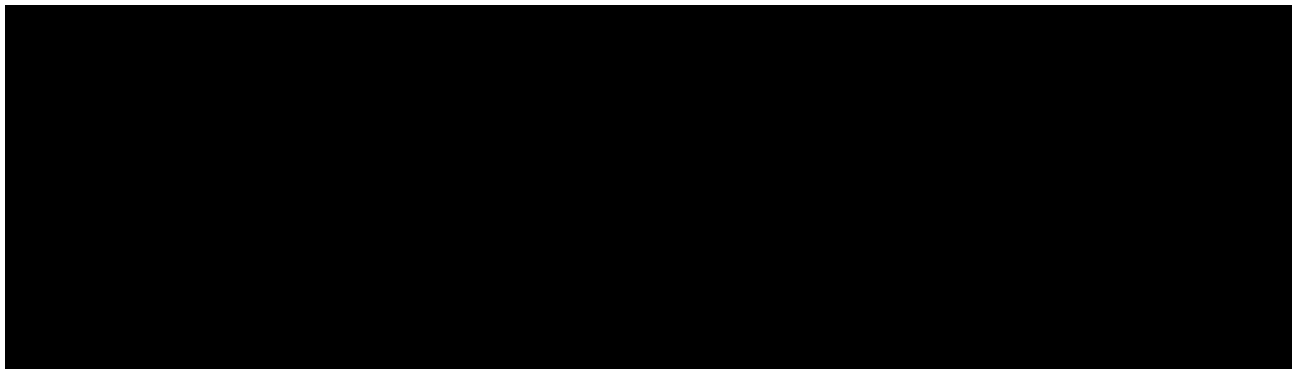
Inert ingredient information may be entitled to confidential treatment

Inert ingredient information may be entitled to confidential treatment



CONFIDENTIAL APPENDIX

MRID 500324-01, Manufacturing Process:



Discussion on Formation of Impurities:

No impurities are anticipated during the formulation process.

MSDSs are included from the suppliers of the inert ingredients replacing [REDACTED]

PRIA 3 – 21 Day Content Screen Review Worksheet

(EPA/OPP Use Only)

September 2012

21 Day Screen Start Date: 9-26-16

Experts In-Processing Signature: B.B. Date 9-30-16 Fee Paid: Yes ☒

Division management contacted on issues No ☐ Yes ☐ Date _____

EPA Reg. Number: <u>352 - 903</u>		EPA Receipt Date: <u>9-26-16</u>				
Items for Review				Yes	No	N/A*
1	Application Form (EPA Form 8570-1) signed & complete including package type			X		
2	Confidential Statement of Formula all boxes completed, form signed, and dated (EPA Form 8570-4)			X		
	a) All inerts, including fragrances, approved for the proposed uses (see Footnote A)	yes	no			
		X				
3	Certification with Respect to Citation of Data (EPA Form 8570-34) completed and signed (N/A if 100% repack)				X	
	Certificate and data matrix consistent					
	If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B)	yes	no			
	If applicable, is there a letter of Authorization for exclusive use only.					
4	Formulator's Exemption Statement (EPA Form 8570-27) completed and signed (N/A if source is unregistered or applicant owns the technical)					X
	Data Matrix (EPA Form 8570-35) both internal and external copies (PR 98-5) completed and signed (N/A if 100% repack)				X	
5	a) Selective Method (Fee category experts use)	yes	no			
	b) Cite-All (Fee category experts use)					
	c) Applicant owns all data (Fee category experts use)					
6	5 Copies of Label (Electronic labels on CD are encouraged and guidance is available)					X
7	Is the data package consistent with PR Notice 86-5			X		
8	Notice of Filing included with petitions					X

9	If applicable for conventional applications, <u>reduced risk rationale</u>			X
10	<u>Required Data</u> and/or data waivers. See Footnote C.			
	a) List study (or studies) not included with application			

Comments:

Related: 352-902

Documentation: Pass or Fail
 - Certification and Notices Missing
 - CSF marked with 352-902
 - Contacted 10/3
 - Sent to PM

Inerts: Pass or Fail
 - Inerts Approved for Non-Food Use

PRN 1100: Pass or Fail
 - MRID: 500324

10/3/10

Overall Status: Pass or Fail

* N/A – Not Applicable

Footnotes

A. During the 21 day initial content review, all CSFs will be reviewed to determine whether all inerts listed, including fragrances, are approved for the proposed uses or have an application pending with the Agency. If an unapproved inert with no application pending with the Agency is identified, the applicant must either 1) resolve the inert issue by, for example, removing the inert, substituting it with an approved inert, submitting documentation that EPA approved the inert for the proposed pesticidal uses, correcting mistakes on the CSF, etc. or 2) provide the data to support OPP approval of the inert or 3) withdraw the application. Removing or substituting an inert ingredient will require a new CSF and may require submission of data. All information, forms, data and documentation resolving the inert issue must have been received by the Agency or the application withdrawn within the 21 day period, otherwise, the Agency will reject the application as described below.

To successfully complete this aspect of the 21 day initial content screen, applicants are **strongly encouraged** to verify that all inert ingredients have been approved for the application's uses or have an application pending with the Agency **even if a product is currently registered** by consulting the inert Web site and if the inert is not approved nor has an application pending with the Agency, to **obtain the necessary inert approval prior to submitting an application to register a pesticide product containing that inert ingredient**. Some inert ingredients are no longer approved for food uses or certain types of uses. The name and/or CAS number on a CSF must match the name and CAS number on this web site. Simple typographical errors in the name or CAS number have resulted in processing delays.

If an inert is not listed on the inert ingredient web site and the applicant believes that the inert has been approved, the applicant should contact the Inert Ingredient Assessment Branch (IIAB) at inertsbranch@epa.gov and resolve the issue. Copies of the correspondence with IIAB resolving the issue should accompany the application. All new inerts except PIP inerts are reviewed by IIAB. The IIAB should also be contacted for any questions on what supporting data needs to be submitted for and the Agency's inert review process. Questions on PIP inerts should be directed to the Chief of Microbial Pesticides Branch.

When a brand, trade, or proprietary name of an inert ingredient is listed on a CSF, additional information such as an alternate name of the inert, CAS number or other information must also be included to enable the Agency to determine if it has been approved. Each component of an inert mixture (including a fragrance) must be identified. In some cases, the supplier of the mixture or fragrance may need to provide this information to the Agency. Prior to the Agency's receipt of an application, applicants must arrange with a proprietary mixture or fragrance supplier to provide the component information to the Agency or promptly upon EPA's request. If the inert ingredients in a proprietary blend (including fragrances) cannot or are not identified or provided within the 21-day content review period, the Agency will reject the application.

During the 21 day content review, applicants should submit information to the individual identified by the Agency when the applicant is informed of an unapproved inert.

Unapproved Inerts Identified on CSFs

All applications except conventional new products and PIPs

Once an unapproved inert is identified on a CSF, the Agency will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Provide the required information necessary to identify an inert approval application that is pending with the Agency; or
3. Submit the information and data needed for the Agency to approve the unapproved inert. If this option is selected and implemented, the Agency may request an extension in the PRIA decision review timeframe to accommodate the inert review/approval process;
4. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of these options is selected and implemented by the applicant within the 21 day content review period, the Agency will reject the application and retain 25% of the full fee of the category identified.

Conventional New Product Applications

When the Registration Division identifies an unapproved inert on a CSF with an application for a new product that the applicant has not identified as requiring an inert approval (R300 or R301), it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Submit the information and data needed for the Agency to approve the unapproved inert, including any required petition to establish or amend a tolerance or exemption from a tolerance. (This option may change the PRIA category for the application, which could require a longer decision review time and a larger fee. If additional fees are due, they must be received by the Agency within the 21 day content review period.)

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21-day content-review period, the Agency will reject the application and retain 25% of the appropriate fee for the new product-inert approval category.

PIP Applications

When the Biopesticide and Pollution Prevention Division identifies an unapproved inert on a PIP CSF and a request to approve the inert does not accompany the application, it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the spelling or name of the inert to that in 40 CFR 174, or providing documentation that the inert has been approved; or
2. Submit the information and data needed for the Agency to approve the unapproved inert. If an inert ingredient tolerance exemption petition is required, the petition must be received by the Agency and the B903 fee paid within the 21 day period. If this option is selected and implemented, the Agency will discuss harmonizing the timeframe for both actions.
3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21 day content review period, the Agency will reject the application and retain 25% of the fee.

B. A policy on documentation of offers to pay is still being developed, however, for a me-too or fast track (similar/identical) new product, R300 or A530, an application without the necessary authorizations of offers to pay will be placed into either R301 or A531. The Agency recommends that authorizations of offers to pay be submitted with other PRIA applications to avoid delays in the Agency's decision.

C. Biopesticide applicants are advised to contact the Agency and discuss study waivers prior to submitting their application to the Agency. Documentation of such discussions should be submitted with the study waiver.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

BONNIE J. BIEBER
E.I. DUPONT DE NEMOURS AND COMPANY
1090 ELKTON ROAD
P.O. BOX 30
NEWARK, DE 19711

RE: Application for Registration dated: 23-SEP-2016
Date Fee Payment: 26-SEP-2016
Product Name: REFINED OIL OF NEPETA CATARIA 15% LOTION
EPA Registration Number: 352-903
Decision Number: D-521892

Dear Registrant:

The Agency has completed its initial contents screen of your application pursuant to Section 33(f)(4)(B) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended the Pesticide Registration Improvement Renewal Act. The Agency has determined that your application did not pass the initial contents screen and therefore must be rejected.

There was no Certification with Respect to Citation of Data submitted. There were no Data Matrices submitted. Additionally, the CSF was marked with the incorrect EPA Reg. Number.

Furthermore, pursuant to FIFRA Section 33(b)(2)(G) the Agency must retain 25% of the registration service fee. Any future submissions to the Agency will be considered a new application and subject to the full registration service fee and another initial contents screen of all necessary fees, forms, data, and draft labeling.

Sincerely,

XXXXXXXXX, Director
Office of Pesticide Programs

Varner, Stephanie

From: Varner, Stephanie
Sent: Monday, October 03, 2016 2:04 PM
To: 'bonnie.j.bieber@dupont.com'
Subject: Submission to EPA: REFINED OIL OF NEPETA CATARIA 7% LOTION (EPA Reg. No. 352-902) REFINED OIL OF NEPETA CATARIA 15% LOTION (EPA Reg. No. 352-903)

Dear Ms. Bieber,

My name is Stephanie Varner, and I am a contractor with the EPA. I am contacting you in regards to your submissions in support of the products REFINED OIL OF NEPETA CATARIA 7% LOTION (EPA Reg. No. 352-902) REFINED OIL OF NEPETA CATARIA 15% LOTION (EPA Reg. No. 352-903). We have found a few deficiencies with the submissions that will need to be addressed:

1. Please submit a Certification with Respect to Citation of Data for each of the products.
2. Please submit Data Matrices for each of the products.
3. The CSFs appear to be mislabeled in terms of the products and their respective registration numbers:

CSF for REFINED OIL OF NEPETA CATARIA 7% LOTION is marked 352-903 but should be 352-902

CSF for REFINED OIL OF NEPETA CATARIA 15% LOTION is marked 352-902 but should be 352-903

The Pm has requested the applications for these products are be forwarded to them immediately. Please send all requested forms and revisions to them directly.

Thanks!

Stephanie Varner

Contractor, US EPA
2777 S. Crystal Drive, S-4813
Arlington, VA 22202
(703) 347-0240
Email: varner.stephanie@epa.gov



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

September 28, 2016

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

OPP Decision Number: D-521892
EPA File Symbol or Registration Number: 352-903
Product Name: REFINED OIL OF NEPETA CATARIA 15% LOTION
EPA Receipt Date: 26-Sep-2016
EPA Company Number: 352
Company Name: E. I. DU PONT DE NEMOURS AND COMPANY (S300/419)

BONNIE J. BIEBER
E. I. DU PONT DE NEMOURS AND COMPANY
DUPONT CROP PROTECTION - STINE-HASKELL RESEARCH CENTER
PO BOX 30
NEWARK, DE 19714-0030

SUBJECT: Receipt of Registration Amendment Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your amendment and certification of payment. If you submitted data with this application, the results of the PRN-2011-3 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: B680

AMENDMENT;MICROBIAL/BIOCHEMICAL;REGISTERED SOURCE OF ACTIVE
INGREDIENT;NO NEW USE(S);NO CHANGE TO AN ESTABLISHED TOLERANCE OR
TOLERANCE EXEMPTION;REQUIRES DATA SUBMISSION;

No additional payment is due at this time. If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 308-1259.

Sincerely,

A handwritten signature in black ink, appearing to be "J. Stine".

Front End Processing Staff
Information Technology & Resources Management Division

Fee for Service

{9925162~

This package includes the following

- ☐ New Registration
- ☒ Amendment

☒ Studies? ☐ Fee Waiver?

☐ volpay % Reduction: ____

for Division

- ☐ AD
- ☒ BPPD
- ☐ RD

Risk Mgr. 91

Receipt No.

S- 992516

EPA File Symbol/Reg. No.

352-903

Pin-Punch Date:

9/26/2016

☐ This item is NOT subject to FFS action.

Action Code:

Requested: B680

Granted: B680

Amount Due: \$ ____

Parent/Child Decisions:

Primary: 352-903

Secondary: 352-902

☒ Inert Cleared for Intended Use

☐ Uncleared Inert in Product

Reviewer: Andrew Bryceland

Date: 9/27/16

Remarks:



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

October 20, 2016

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

MR. JACOB. J. VUKICH
E. I. DU PONT DE NEMOURS AND COMPANY (S300/419)
ATTN: MANAGER, US REGISTRATION, DUPONT CROP PROTECTION
CHESTNUT RUN PLAZA, 974 CENTRE ROAD, PO BOX 2915
WILMINGTON, DE 19805-

PRODUCT NAME: REFINED OIL OF NEPETA CATARIA 15% LOTION
COMPANY NAME: E. I. DU PONT DE NEMOURS AND COMPANY (S300/419)
OPP IDENTIFICATION NUMBER:
EPA FILE SYMBOL: 352-903
EPA RECEIPT DATE: 10/19/16

SUBJECT: RECEIPT OF AMENDMENT

DEAR REGISTRANT:

The Office of Pesticide Programs has received your application for an amendment and it has passed an administrative screen for completeness.

During the initial screen we determined that the application appears to qualify for fast track review. The package will now be forwarded to the Product Manager for review to determine its acceptability for fast track status.

If you have any questions, please contact Biologicals & Pollution Prevention Division, PM Team 91, at (703) 305-6928.

Sincerely,

A handwritten signature in black ink, appearing to be "SPA".

Front End Processing Staff
Information Services Branch
Information Technology & Resources Management Division



Fee for Service

{993713+~

This package includes the following

- ☐ New Registration
- ☒ Amendment

☐ Studies? ☐ Fee Waiver?

☐ volpay % Reduction: ____

for Division

- ☐ AD
- ☒ BPPD
- ☐ RD

Risk Mgr. 91

Receipt No.

S- 993713

EPA File Symbol/Reg. No.

352-903

Pin-Punch Date:

10/19/2016

☒ This item is NOT subject to FFS action.

Action Code:

Requested:

Granted:

Amount Due: \$ ____

Parent/Child Decisions:

☒ Inert Cleared for Intended Use

☐ Uncleared Inert in Product

Reviewer: Andrew Byceland

Date: 10/20/16

Remarks:

Assign to Manager
Adding 2 evaluations
Means that it is for child to use

Bryceland, Andrew

From: Bacon, Laura
Sent: Friday, October 14, 2016 2:47 PM
To: Schaible, Stephen
Cc: Bryceland, Andrew; Suarez, Mark; Rate, Debra
Subject: RE: Insect Repellent Labels with Claims using the word "babies" or "infants"

Follow Up Flag: Follow up
Flag Status: Flagged

All,

Could you provide some additional background on your questions? Are you asking whether the Agency allows optional marketing claims specifically for infants/babies?

Unaware of any updated guidance that would supersede the PRN 2001-3. I did a little scoping and found some language on our website about insect repellents and children: <https://www.epa.gov/insect-repellents/using-insect-repellents-safely-and-effectively#children>

Repellents and Children

We advise consumers to always read and follow label directions in using any pesticide product, including insect repellents.

Because children frequently put their hands in their eyes and mouths, EPA recommends that all repellent products have the following precautionary statements related to children on their labels:

- Do not allow children to handle this product, and **do not apply to children's hands**. When using on children, apply to your own hands and then put it on the child.
- After returning indoors, wash your child's treated skin and clothes with soap and water or bathe.

According to the label, **oil of lemon eucalyptus products should not be used on children under the age of three**. Other ingredients do not have an age restriction.

Questions often arise about use of DEET on children. DEET is approved for use on children with no age restriction. Also, there is no restriction on the percentage of DEET in the product for use on children, since data do not show any difference in effects between young animals and adult animals in tests done for product registration. There also are no data showing incidents that would lead us to believe there is a need to restrict the use of DEET.

Always store insect repellents safely out of the reach of children.

If you are concerned about using repellent products on children you may wish to consult a health care provider for advice or contact the [National Pesticide Information Center \(NPIC\)](#) [Exit](#) or through their toll-free number, 1-800-858-7378.

If others have additional insights, please weigh in.

Laura Bacon (Nollen)
Acting Product Manager 4
Invertebrate-Vertebrate Branch 1



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number DuPont/ 352-903	2. EPA Product Manager Menyon Adams	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) DuPont/ Refined Oil of Nepeta cataria 15% Lotion	PM#	
5. Name and Address of Applicant (Include ZIP Code) E. I. du Pont de Nemours & Company DuPont Crop Protection, Stine Haskell Research Center 1090 Elkton Rd (S300-431) Newark, DE 19711 Attention B. Bieber (302-451-4525) bonnie.j.bieber@dupont.com <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input checked="" type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Application to amend the product registration to revise the container handling statements in the STORAGE AND DISPOSAL text box as per the requirements of Subpart H of 40 CFR §156 ("Container Labeling") and EPA Pesticide Registration Notice 2007-4, add marketing language and make other minor formatting changes for for Refined Oil of Nepeta cataria 15% Lotion label identified as D - 1944 101316.

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Package wgt No. per container	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container	5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Bonnie J Bieber	Title Registration Specialist	Telephone No. (Include Area Code) 302-451-4525
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Registration Specialist	
4. Typed Name Bonnie J. Bieber	5. Date 17-October-2016	



DuPont Crop Protection
Stine-Haskell Research Center
P.O. Box 30
Newark, DE 19714-0030

October 17, 2016

DELIVERED BY COURIER SERVICE

Document Processing Desk (AMEND/NOTIF)
Menyon Adams PM
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

ACTION: Fast Track Amendment
FEE CATEGORY: Not Applicable REGISTRATION FEE: Not Applicable

E-mail contact: DuPont.USRegFee@USA.DuPont.com

SUBJECT: Notification of label change per PR Notice 2007-4 and Label Amendments for:

Refined Oil of *Nepeta cataria* (EPA Reg # 352-901)
Refined Oil of *Nepeta cataria* 7% Lotion (EPA Reg # 352-902)
Refined Oil of *Nepeta cataria* 15% Lotion (EPA Reg # 352-903)
Refined Oil of *Nepeta cataria* 7% Liquid (EPA Reg # 352-904)
Refined Oil of *Nepeta cataria* 15% Liquid (EPA Reg # 352-905)

Dear Ms Adams:

In accordance with PR Notice 2007-4, DuPont is notifying the Agency of revisions to the container handling statements for the above referenced products. This notification also represents the first registration action on these labels since the products were transferred from company # 71654 to company # 352 in May of 2014 and the labels have been reformatted to reflect registrant information for company # 352.

In addition to the above, the labels submitted herein also contain the following changes for consistency across the lotion and liquid products:

- The First Aid and Precautionary statements box has been relocated to its proper position on the label.
- Within the precautionary language on both lotion formulations (352-902 and 352-903), the phrase "Ask a doctor before using on children under 1 year of age" has been deleted. This phrase does not appear on the currently approved liquid formulation labels (352-904 and 352-905).
- An incorrect emergency contact number has been deleted and HOTLINE number information and the associated language has been added.
- On the lotion and liquid formulations (352-902, -903, -904, and -905), the word "treated" has been deleted from the following sentence in the Directions for Use: "Also wash ~~treated~~ clothing before wearing it again." This deletion was made because none of the labels recommend treatment of clothing.
- On the lotion formulations (352-902 and 352-903), the following statement has been deleted from the directions for use "An adult must apply this product to children under ten years of age". This phrase does not appear on the currently approved liquid formulation labels (352-904 and 352-905).

October 17, 2016

Page 2

- Additional optional marketing language has been added to the end of the label (please reference highlighted labels included).

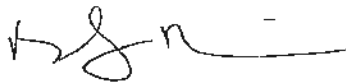
Attached please find the following documents supporting this notification:

- Application for Pesticide Registration (EPA form 8570-1) for each product - dated October 17, 2016
- Two copies of each of the above referenced labels one with changes highlighted
- A data matrix that includes all four formulations and the technical product
- Form 8570-34 for each product.

This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling (except as noted). I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Please let me know if you have any questions or concerns. I can be reached by phone at 302-451-4525 or via email at bonnie.j.bieber@usa.dupont.com.

Regards,



Bonnie J. Bieber
Product Registration Specialist



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
1200 Pennsylvania Avenue, N.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, Collection Strategies Division (2822T), U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, N.W., Washington, DC 20460. Do not send the completed form to this address.

Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number DuPont Crop Protection, 1090 Elkton Rd, Newark, Delaware 19714-0030, 302-451-4525	EPA Registration Number/File Symbol 352-903
Active Ingredient(s) and/or representative test compound(s) Refined Oil of Nepeta cataria	Date 10-17-16
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Residential Outdoor	Product Name Refined Oil of Nepeta Cataria 15% Lotion

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

<input type="checkbox"/> I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).	<input checked="" type="checkbox"/> I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).
--	---

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature

Date

17-Oct-2016

Typed or Printed Name and Title

Bonnie J. Bieber, Registration Specialist



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

October 03, 2016

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

DUPONT CROP PROTECTION
E.I. DU PONT DE NEMOURS AND COMPANY
PO.BOX : 30
NEWARK, DE 19714-0030

Report of Analysis for Compliance with PR Notice 11-03

Thank you for your submittal of 26-SEP-16. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 11-03. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.



Receipt for Section 3

S: 992516

Milestone Email:

Regulatory Type: Product Registration - Section 3

Resubmission: ☐ Yes ☒ No

Application Type: Amendment

Fee For Service: ☐ Yes ☒ No

Billable: ☒ Yes ☐ No

Company: 352 E. I. DU PONT DE NEMOURS AND COMPANY (S



Print Letter

Enter More Information

Tracking

Risk Manager: Biologicals & Pollution Prevention Division, PM Team 91

Product #: 352-903 Product Name: REFINED OIL OF NEPETA CATARIA 15% LOT

Override#:

Me Too

Me Too Product

Section3:

Name:

Application Date: 23-Sep-2016



OPP Rec'd Date: 26-Sep-2016



Front End Date: 26-Sep-2016



Risk Manager Send Date:



FFS Due Date:

Negotiated Due Date:

OPP Target Date:

Fast Track: ☐

New Ingredient: ☐

Receipt Description:

AMENDMENT

New Ingredient

Request Date:

New Ingredient

Received Date:

Form A: ☐

Signature Date:

Form B: ☐

Signature Date:

Receipt Content

Study

CSF

View/Edit



Receipt for Section 3

S: 992517

Milestone Email:

Regulatory Type: Product Registration - Section 3

Resubmission: ☐ Yes ☒ No

Application Type: Amendment

Fee For Service: ☐ Yes ☒ No

Billable: ☒ Yes ☐ No

Company: 352 E. I. DU PONT DE NEMOURS AND COMPANY (S

V

Print Letter

Enter More Information

Tracking

Risk Manager: Biologicals & Pollution Prevention Division, PM Team 91

Product #: 352-902 Product Name: REFINED OIL OF NEPETA CATARIA 7% LOTIC

Override#:

Me Too

Section3:

Me Too Product

Name:

Application Date: 23-Sep-2016

OPP Rec'd Date: 26-Sep-2016

Front End Date: 26-Sep-2016

Risk Manager Send Date:

FFS Due Date:

Negotiated Due Date:

OPP Target Date:

Fast Track: ☐

New Ingredient: ☐

Receipt Description:

AMENDMENT

New Ingredient

Request Date:

New Ingredient

Received Date:

Form A: ☐

Signature Date:

Form B: ☐

Signature Date:

Receipt Content

Study

CSF

View/Edit

DuPont Crop Protection
 Stine-Haskell Research Center
 P. O. Box 30
 Newark, DE 19714-0030



CONTAINS CONFIDENTIAL BUSINESS INFORMATION

ACTION: Submission of Amended CSF and Revised Description of Formulation Process

FEE CATEGORY: B680

REGISTRATION FEE: \$5,107

September 23, 2016

Ms. Linda Hollis
 Biopesticides and Pollution Prevention Division (BPPD)
 US Environmental Protection Agency
 Office of Pesticide Programs (7504P)
 One Potomac Yard
 2777 South Crystal Drive
 Arlington, VA 22202

SUBJECT: Submission of Revised Description of Formulation Process and Amended CSF's for:

EPA Registration Number	Product Name
352-903	Refined Oil of Nepeta Cataria 7% Lotion
352-902	Refined Oil of Nepeta Cataria 15% Lotion

Dear Ms. Hollis

Amended Confidential Statements of Formula (CSFs) for the two subject products are enclosed. The purpose for submission of these amended CSFs is to replace one of the inert ingredients present in both formulations () with substitute inert ingredients that are listed on EPA's list of approved inert ingredients. This substitution plan was discussed with BPPD staff (Linda Hollis, et al.) in a meeting on September 14, 2016.

As presented in that meeting, () will be replaced with the following inert ingredients:

()

CONTAINS CONFIDENTIAL BUSINESS INFORMATION

Taken together, these substitute ingredients are:

- Chemically equivalent to [REDACTED]
- Serve the same purpose in the formulations
- Present at the same concentration (combined) as [REDACTED]

In addition to the substitution described above, the following non-substantive changes are being made to both CSFs to update the information and correct minor errors on the current CSFs.

Those changes are:

1. For the TGA1 (Refined Oil of *Nepeta cataria*) – Update of the CAS No. to 952722-18-8. This is the CAS No. listed in the Biopesticides Registration Action Document for the TGA1, dated August 25, 2010.

2. [REDACTED]

3. [REDACTED]

4. [REDACTED]

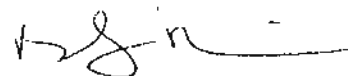
5. [REDACTED]

Also being submitted is a revised description of the formulation process for the subject formulations. This revised document updates the list of formulation ingredients and the description of the formulation process to be consistent with the amended CSFs, which are enclosed.

Enclosed in support of this submission are three copies of the report titled "Refined Oil of *Nepeta Cataria*: Identity and Composition of 15% Lotion and 7% Lotion – Revision to original report identified as MRID 4700330" (identified as DuPont-47695), Form 8570-1, a data transmittal document, one copy of the existing CSF's for each of these formulations, and two copies of the proposed CSF's for each formulation, one with changes highlighted.

Please contact me at (302) 451-4525 or by email bonnie.j.bieber@dupont.com if you have any questions or need additional information regarding the requested action.

Sincerely,



Bonnie J Bieber
Product Registration Specialist
DuPont Crop Protection

CONFIDENTIAL
BIOPESTICIDES
REGISTRATION
ACTION DOCUMENT
DU PONT DE NEMOURS AND COMPANY
2010

Refined Oil of *Nepeta cataria*

E.I. DuPont de Nemours and Company
1090 Elkton Road
P.O. Box 30
Newark, DE 19711

Regulatory Action in Support of Which this Package is Submitted:

EPA Registration No

Refined Oil of *Nepeta cataria*
 Refined Oil of *Nepeta cataria* 7% Lotion
 Refined Oil of *Nepeta cataria* 15% Lotion

352-901
352-903
352-902

List of Submitted Studies:

<u>Data Requirement</u>	<u>Doc Number</u>	<u>Study Title</u>	<u>MRID</u>
880.1100 880.1200 880.1400	DuPont-47695	Refined Oil of Nepeta Cataria: Identity and Composition of 15% Lotion and 7% Lotion – Revision to original report identified as MRID 47003301	50032401

128 n

Bonnie J Bieber

Product Registration Specialist

Date: 23-Sept-2016

Company Name: E.I. du Pont de Nemours and Company

Company Bonnie J Bieber

Contact:

21-Day Screen of Amendment
(Completed by Contractor)

21-day Expires on 10-17-16

Document Part Of: 352 - 903
MRID, If Any: 500324



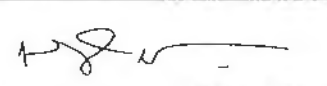
Content Screen: Recommended to
Pass/Fail

11-3 Review: Passed/Failed/NA

Overall Status: Pass/Fail

Document returned to:

ANDREW BRYCE LAND

 United States Environmental Protection Agency Washington, DC 20460		<input type="checkbox"/> Registration <input checked="" type="checkbox"/> Amendment <input type="checkbox"/> Other	OPP Identifier Number
Application for Pesticide - Section I			
1. Company/Product Number 352-903		2. EPA Product Manager Linda Hollis	
4. Company/Product (Name) Refined Oil of Nepeta Cataria 7% Lotion		3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted	
5. Name and Address of Applicant (Include ZIP Code) DuPont Crop Protection Stine-Haskell Research Center, 1190 Elkton Road, Newark, DE 19711 ATTN: B. Bieber <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	
Section - II			
<input checked="" type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Notification - Explain below. <input type="checkbox"/> Other - Explain below.			
Explanation: Use additional page(s) if necessary. (For section I and Section II.) Submission of a Revised Description of Formulation Process and amended CSF for Refined Oil of Nepeta Cataria 7% Lotion (EPA Reg # 352-903)			
Section - III			
1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No * Certification must be submitted	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Package wgt No. per container	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container	
		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product		<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____	
Section - IV			
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Bonnie J. Bieber		Title Product Registration Specialist	
		Telephone No. (include Area Code) (302) 451-4525	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped) 
2. Signature 		3. Title Product Registration Specialist	
4. Typed Name Bonnie J. Bieber		5. Date 23-September-2016	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
1200 Pennsylvania Avenue, N.W.
WASHINGTON, D.C. 20460

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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number DuPont Crop Protection, 1090 Elkton Rd, Newark, Delaware 19714-0030, 302-451-4525	EPA Registration Number/File Symbol 352-902
Active Ingredient(s) and/or representative test compound(s) Refined Oil of Nepeta cataria	Date 10-4-16
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Residential Outdoor	Product Name Refined Oil of Nepeta Cataria 7% Lotion

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature

Date

04-Oct-2016

Typed or Printed Name and Title

Bonnie J. Bieber, Registration Specialist

Memorandum

352-902
903

Date: 10 / 3 / 16

To: pm 91, Regulatory Manager

From: Information Services Branch, ITRMD

Your receipt of this data submission is not an indication that MRIDs for the enclosed studies have been posted to OPPIN.

We expect that it will be approximately 5 days from the above date before the study-level data is available in OPPIN.

If you have any questions about this process, please contact Teresa Downs (305-5363).

This is a: ☒ fully accepted submission
☐ partially accepted submission
☐ rejected submission



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
1200 Pennsylvania Avenue, N.W.
WASHINGTON, D.C. 20460

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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number DuPont Crop Protection, 1090 Elkton Rd, Newark, Delaware 19714-0030, 302-451-4525	EPA Registration Number/File Symbol 352-902
Active Ingredient(s) and/or representative test compound(s) Refined Oil of Nepeta cataria	Date 10-4-16
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Residential Outdoor	Product Name Refined Oil of Nepeta Cataria 7% Lotion

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

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SECTION I: METHOD OF DATA SUPPORT (Check one method only)

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SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature

Date

04-Oct-2016

Typed or Printed Name and Title

Bonnie J. Bieber, Registration Specialist

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WASHINGTON, D.C. 20460

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Data Matrix

Date: 23-Sep-2016					
Applicant's / Registrant's Name & Address:		Product:			
E. I. DuPont de Nemours and Company, DuPont Crop Protection, P.O. Box 30, Newark, DE 19714-0030		Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)			
Ingredient: Refined Oil of Nepeta cataria					
Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
830.1700	Solubility Analysis, and Storage Stability Analysis of Hydrogenated Catnip Oil (HCO) Active Ingredient : Report No.P0002395	47003102	352	Own	
830.1800	Enforcement Analytical Method for the Active Ingredient: (Hydrogenated Catnip Oil): Report No.P0002366	47003103	352	Own	
880.1100	Supplement to Product Chemistry Requirements: (Refined Oil of Nepeta cataria): Report No.NA	47422901	352	Own	
830.6302, 830.6303, 830.6304, 830.6313, 830.6315, 830.6317, 830.6319, 830.6320, 830.7000, 830.7050, 830.7100, 830.7200, 830.7220, 830.7300, 830.7840, 830.7950	Summary of Physical and Chemical Characteristics of Technical Grade Active Ingredient: (Refined Oil of Nepeta cataria): Report No.NA	46977422	352	Own	

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Data Matrix

Date: 23-Sep-2016					
Applicant's / Registrant's Name & Address:		Product:			
E. I. DuPont de Nemours and Company, DuPont Crop Protection, P.O. Box 30, Newark, DE 19714-0030		Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)			
Ingredient: Refined Oil of Nepeta cataria					
Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
830.6302, 830.6303, 830.6304, 830.6315, 830.7000, 830.7100	Physical and Chemical Characteristics of Hydrogenated Catmint Oil TGA1: Color, Physical State, Odor, Flammability, pH and Viscosity: Final Report.: Report No.3280-17	46977420	352	Own	
880.1100, 880.1200	Product Identity and Composition (Refined Oil of Nepeta cataria): Report No.NA	47003101	352	Own	
830.1750	Certified Limits and Supplement to Preliminary Analysis: Report No.NA	47003104	352	Own	
830.6303, 830.6315, 830.7000, 830.7100, 830.7300	Physical and Chemical Characteristics of Refined Oil of Nepeta cataria 15% (w/w) Liquid Formulation 16307048: Physical State, Flammability, pH, Viscosity and Relative Density.: Report No.NA	47181308	352	Own	
880.1100, 880.1200	Identity and Composition of 15% Refined Oil of Nepeta cataria Liquid Formulation.: Report No.NA	47181307	352	Own	
830.1750	Certified Limits: 1630704A Liquid and 1630704B Liquid.: Report No.NA	47181309	352	Own	

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Data Matrix

Date: 23-Sep-2016

Applicant's / Registrant's Name & Address:

E. I. DuPont de Nemours and Company, DuPont Crop Protection,
P.O. Box 30, Newark, DE 19714-0030

Product:

Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)

Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
830.6303, 830.6315, 830.6317, 830.6320, 830.7000, 830.7100, 830.7300	Summary of Physical and Chemical Characteristics of Formulations CU 1630704A and CU 1630704A: Report No.NA	47181310	352	Own	
880.1100, 880.1200	Identity and Composition of 1630704A Liquid and 1630704B Liquid.: Report No.NA	47425401	352	Own	
830.1800, 830.6313, 830.7840	Analytical Method for Formulations: Refined Oil of Nepeta cataria 15% Lotion: Report No.NA	47003302	352	Own	
830.6302, 830.6315, 830.7000	Physical and Chemical Characteristics of 15 wt.% Hydrogenated Catmint Oil Lotion: Physical State, Flammability and pH: Report No.3280-14	46977311	352	Own	
830.1750	Certified Limits Lotion Formulation CLI 1630802C and CLI 1630802D.: Report No.NA	47003303	352	Own	
830.6302, 830.6315, 830.7000, 830.7100, 830.7300	Summary of Physical and Chemical Characteristics of Formulations CU 1630802C and CU 1630802D.: Report No.NA	46977310	352	Own	

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Data Matrix

Date: 23-Sep-2016					
Applicant's / Registrant's Name & Address:		Product:			
E. I. DuPont de Nemours and Company, DuPont Crop Protection, P.O. Box 30, Newark, DE 19714-0030		Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)			
Ingredient: Refined Oil of Nepeta cataria					
Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
830.7100, 830.7220, 830.7950	Determination of Boiling Point and Vapor Pressure (Static Method) for a Liquid TGAI and Viscosity for Two Lotion Formulations: Report No.DuPont-P00011	47003105	352	Own	
880.1100, 880.1200	Identity and Composition of Formulations CU 1630802C and CU 1630802D.: Report No.NA	47003301	352	Own	
830.6303, 830.6315, 830.7000, 830.7100, 830.7300	Physical and Chemical Characteristics of Refined Oil of Nepeta cataria 7% (w/v) Liquid Formulation 1630704A: Physical State, Flammability, pH, Viscosity, Relative Density: Report No.3280-32	47181402	352	Own	
880.1100, 880.1200	Identity and Composition of 7% Refined Oil of Nepeta cataria Liquid Formulation.: Report No.NA	47181401	352	Own	
830.6303, 830.6315, 830.7000, 830.7100, 830.7300	Physical and Chemical Characteristics of 7 wt Percent Hydrogenated Catmint Oil Lotion: : Physical State, Flammability, and pH, Nepeta cataria Oil: Report No.3280/13	47013901	352	Own	
830.7300	Characterization of Aged Hydrogenated Catnip Oil (HCO) Formulations: Report No.P00009	47234301	352	Own	
830.6317, 830.6320	One Year Storage Stability Analysis and Container Corrosion Characteristics of Refined Oil of Nepeta cataria and Refined Oil of Nepeta cataria Formulations: Report No.CCAS/200702/SO4	48106201	352	Own	

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Data Matrix

Date: 23-Sep-2016					
Applicant's / Registrant's Name & Address:		Product:			
E. I. DuPont de Nemours and Company, DuPont Crop Protection, P.O. Box 30, Newark, DE 19714-0030		Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)			
Ingredient: Refined Oil of Nepeta cataria					
Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
880.1100, 880.1200, 880.1400	Refined Oil of Nepeta Cataria: Identity and Composition of 15% Lotion and 7% Lotion – Revision to original report identified as MRID 47003301: Report No.DuPont-47695	Submitted Herein	352	Own	
810.3400	Supplement to Efficacy Studies Submitted Under Refined Oil of Nepeta cataria Technical and Manufacturing-Use Product: EPA File Symbol 71654-ER: 1630704A Liquid and 1630704B Liquid: Report No.NA	47181311	352	Own	
NA	Evaluation of the Efficacy of Personal Repellents Against Black Flies in Maine.: Report No.0306/313/0141	47015602	352	Own	
NA	Documentation of Ethical Conduct: Evaluation of the Efficacy of Personal Repellents Against Black Flies in Maine.: Report No.0306/313/0141	47113801	352	Own	
NA	Evaluation of the Efficacy of Personal Repellents Against Mosquitoes in Maine: Report No.0306/313/0142	46977424	352	Own	
NA	Documentation of Ethical Conduct: Evaluation of the Efficacy of Personal Repellents Against Mosquitoes in Maine: Report No.0306/313/0142	47113802	352	Own	
NA	Evaluation of the Efficacy of Personal Repellents Against Mosquitoes in Florida: Report No.0306/313/0143	46977425	352	Own	
NA	Documentation of Ethical Conduct: Evaluation of the Efficacy of Personal Repellents Against Mosquitoes in Florida: Report No.0306/313/0143	47113803	352	Own	
NA	Response from DuPont to the U.S. EPA Genetic Toxicity Recommendation in 'Science Review and Human Health Risk Assessment in Support of the Registration of the Insect Repellent Refined Oil of Nepeta cataria (TGAI), and Two Lotion End-Use Products': Report No.NA	47362604	352	Own	

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Form Approved OMB No. 2070-0060

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Data Matrix

Date: 23-Sep-2016					
Applicant's / Registrant's Name & Address: E. I. DuPont de Nemours and Company, DuPont Crop Protection, P.O. Box 30, Newark, DE 19714-0030		Product: Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)			
Ingredient: Refined Oil of Nepeta cataria					
Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
NA	Supplement: Prediction of Minor Constituents of Refined Oil of Nepeta cataria as Likely Hydrogenation Products.: Report No.NA	47362602	352	Own	
NA	Supplement to Preliminary Analysis: Physical and Chemical Characteristics: (Nepeta cataria oils):. Report No.NA	47370401	352	Own	
NA	Supplement to 'Evaluation of the Efficacy of Personal Repellents against Mosquitoes in Maine' (MRID 46977424), 'Evaluation of the Efficacy of Personal Repellents against Mosquitoes in Florida' (MRID 46977425) : Report No.NA	47362603	352	Own	
NA	Refined Oil of Nepeta cataria:Response to Decision # 434656 (Storage Sstability and Corrosion Characteristics (MRID 48106201)): Report No.DuPont-47312	49993401	352	Own	
870.1100	Hydrogenated Catmint Oil: Acute Dermal Toxicity Study in Rats: Report No.DuPont-17550	46977402	352	Own	
870.1100	Hydrogenated Catmint Oil: Acute Oral Toxicity Study in Rats - Up-and-Down Procedure: Report No.DuPont-17740	46977401	352	Own	
870.1300	Hydrogenated Catmint Oil: Inhalation Median Lethal Concentration (LC50) Study in Rats: Report No.DuPont-17408	46977406	352	Own	
870.2400	Hydrogenated Catmint Oil: Acute Eye Irritation Study in Rabbits: Report No.DuPont-17533	46977403	352	Own	
870.2500	Hydrogenated Catmint Oil: Acute Dermal Irritation Study in Rabbits: Report No.DuPont-17519	46977404	352	Own	
870.2600	Hydrogenated Catmint Oil: Local Lymph Node Assay (LLNA) in Mice: Report No.DuPont-17409	46977405	352	Own	
870.3200	Hydrogenated Catmint Oil: 28-Day Repeated-Dose Dermal Toxicity Study in Rats: Report No.DuPont-17327 RV1	46977415	352	Own	

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Data Matrix

Date: 23-Sep-2016

Applicant's / Registrant's Name & Address:

E. I. DuPont de Nemours and Company, DuPont Crop Protection,
P.O. Box 30, Newark, DE 19714-0030

Product:

Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)

Ingredient: Refined Oil of Nepeta cataria


Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
870.3700	Hydrogenated Catmint Oil: Developmental Toxicity Study in Rats: Report No.DuPont-17343	46977408	352	Own	
870.5100	Hydrogenated Catmint Oil: Bacterial Reverse Mutation Test: Report No.DuPont-17471	46977410	352	Own	
870.5300	Hydrogenated Catmint Oil: In Vitro Mammalian Cell Gene Mutation Test (L5178Y/TK+/- Mouse Lymphoma Assay): Report No.DuPont-17847	46977413	352	Own	
870.5300	Hydrogenated Catmint Oil: In Vitro Kinetics in Rat and Human Skin: Report No.DuPont-19930 RV1	47015601	352	Own	
870.5375	Hydrogenated Catmint Oil: In Vitro Mammalian Chromosome Aberration Study in Human Peripheral Blood Lymphocytes: Final Report: Report No.DuPont-17472	46977411	352	Own	
870.5395	Hydrogenated Catmint Oil: Mouse Bone Marrow Micronucleus Test: Report No.DuPont-18623 RV1	46977412	352	Own	
870.6200	Hydrogenated Catmint Oil: Acute Oral Neurotoxicity Study in Rats: Report No.DuPont-19148	46977409	352	Own	
870.3100, 870.7800	Hydrogenated Catmint Oil: Subchronic Toxicity 90-Day Oral Gavage Study and Immunotoxicity 28- Day Oral Gavage Study in Rats: Report No.DuPont-17324	46977407	352	Own	
870.1100	H-27923: Acute Dermal Toxicity Study in Rats: Report No.DuPont-22750	47181302	352	Own	
870.1100	H-27923: Acute Oral Toxicity Study in Rats - Up- and-Down Procedure: Report No.DuPont-22811	47181301	352	Own	
870.1300	H-27923: Inhalation Median Lethal Concentration (LC50) Study in Rats: Report No.DuPont-21690	47181306	352	Own	

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Form Approved OMB No. 2070-0060

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Data Matrix

Date: 23-Sep-2016					
Applicant's / Registrant's Name & Address: E. I. DuPont de Nemours and Company, DuPont Crop Protection, P.O. Box 30, Newark, DE 19714-0030		Product: Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)			
Ingredient: Refined Oil of Nepeta cataria					
Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
870.2400	H-27923: Acute Eye Irritation Study in Rabbits: Report No.DuPont-22812	47181303	352	Own	
870.2500	H-27923: Acute Dermal Irritation Study in Rabbits: Report No.DuPont-22470	47181304	352	Own	
870.2600	H-27923: Local Lymph Node Assay (LLNA) in Mice: Report No.DuPont-21296	47181305	352	Own	
870.1100	Lotion 1630802C: Acute Dermal Toxicity Study in Rats: Report No.DuPont-20889	46977302	352	Own	
870.1100	Lotion 1630802C: Acute Oral Toxicity Study in Rats: Report No.DuPont-20904	46977301	352	Own	
870.1300	Formulation CU 1630802C: Median Lethal Inhalation Concentration Waiver Request.: Report No.NA	46977306	352	Own	
870.2400	Lotion 1630802C: Acute Eye Irritation Study in Rabbits: Report No.	46977303	352	Own	
870.2500	Lotion 1630802C: Acute Dermal Irritation Study in Rabbits: Report No.DuPont-20707	46977304	352	Own	
870.2600	Lotion 1630802C: Local Lymph Node Assay (LLNA) in Mice: Report No.DuPont-20161	46977305	352	Own	
Signature: 		Name and Title: Bonnie J Bieber Registration Specialist		Date: 23-SEP-2016	

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Data Matrix

Date: 23-Sep-2016

Applicant's / Registrant's Name & Address:

E. I. DuPont de Nemours and Company, DuPont Crop Protection,
P.O. Box 30, Newark, DE 19714-0030

Product:

Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)

Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
			352	Own	
			352	Own	
			352	Own	
			352	Own	

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Data Matrix

Date: 23-Sep-2016

Applicant's / Registrant's Name & Address:

E. I. DuPont de Nemours and Company, DuPont Crop Protection,
P.O. Box 30, Newark, DE 19714-0030

Product:

Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)

Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	

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Data Matrix

Date: 23-Sep-2016

Applicant's / Registrant's Name & Address:

E. I. DuPont de Nemours and Company, DuPont Crop Protection,
P.O. Box 30, Newark, DE 19714-0030

Product:

Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)

Ingredient: Refined Oil of Nepeta cataria

Guideline
Reference Number

Guideline Study name:

MRID
Number

Submitter

Status

Note

352

Own

352

Own

352

Own

352

Own

352

Own

352

Own

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Data Matrix

Date: 23-Sep-2016

Applicant's / Registrant's Name & Address:

E. I. DuPont de Nemours and Company, DuPont Crop Protection,
P.O. Box 30, Newark, DE 19714-0030

Product:

Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)

Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	

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Data Matrix

Date: 23-Sep-2016

Applicant's / Registrant's Name & Address:

E. I. DuPont de Nemours and Company, DuPont Crop Protection,
P.O. Box 30, Newark, DE 19714-0030

Product:

Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)

Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	

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Data Matrix

Date: 23-Sep-2016

Applicant's / Registrant's Name & Address:

E. I. DuPont de Nemours and Company, DuPont Crop Protection,
P.O. Box 30, Newark, DE 19714-0030

Product:

Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)

Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	

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Data Matrix

Date: 23-Sep-2016

Applicant's / Registrant's Name & Address:

E. I. DuPont de Nemours and Company, DuPont Crop Protection,
P.O. Box 30, Newark, DE 19714-0030

Product:

Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)

Ingredient: Refined Oil of Nepeta cataria


Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	

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Data Matrix

Date: 23-Sep-2016					
Applicant's / Registrant's Name & Address: E. I. DuPont de Nemours and Company, DuPont Crop Protection, P.O. Box 30, Newark, DE 19714-0030		Product: Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)			
Ingredient: Refined Oil of Nepeta cataria					
Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
Signature: 		Name and Title: Bonnie J Bieher Registration Specialist		Date: 23-SEP-2016	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
1200 Pennsylvania Avenue, N.W.
WASHINGTON, D.C. 20460

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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number DuPont Crop Protection, 1090 Elkton Rd, Newark, Delaware 19714-0030, 302-451-4525	EPA Registration Number/File Symbol 352-903
Active Ingredient(s) and/or representative test compound(s) Refined Oil of Nepeta cataria	Date 10-4-16
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Residential Outdoor	Product Name Refined Oil of Nepeta Cataria 15% Lotion

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

<input type="checkbox"/> I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).	<input checked="" type="checkbox"/> I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).
--	---

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature 	Date 04-Oct-2016	Typed or Printed Name and Title Bonnie J. Bieber, Registration Specialist
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
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Form Approved OMB No. 2070-0060

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Data Matrix

Date: 23-Sep-2016

Applicant's / Registrant's Name & Address:

E. I. DuPont de Nemours and Company, DuPont Crop Protection,
P.O. Box 30, Newark, DE 19714-0030

Product:

Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)

Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
830.1700	Solubility Analysis, and Storage Stability Analysis of Hydrogenated Catnip Oil (HCO) Active Ingredient : Report No.P0002395	47003102	352	Own	
830.1800	Enforcement Analytical Method for the Active Ingredient: (Hydrogenated Catnip Oil).: Report No.P0002366	47003103	352	Own	
880.1100	Supplement to Product Chemistry Requirements: (Refined Oil of Nepeta cataria).: Report No.NA	47422901	352	Own	
830.6302, 830.6303, 830.6304, 830.6313, 830.6315, 830.6317, 830.6319, 830.6320, 830.7000, 830.7050, 830.7100, 830.7200, 830.7220, 830.7300, 830.7840, 830.7950	Summary of Physical and Chemical Characteristics of Technical Grade Active Ingredient: (Refined Oil of Nepeta cataria).: Report No.NA	46977422	352	Own	

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Data Matrix

Date: 23-Sep-2016

Applicant's / Registrant's Name & Address:

E. I. DuPont de Nemours and Company, DuPont Crop Protection,
P.O. Box 30, Newark, DE 19714-0030

Product:

Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)

Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
830.6302, 830.6303, 830.6304, 830.6315, 830.7000, 830.7100	Physical and Chemical Characteristics of Hydrogenated Catmint Oil TGAI: Color, Physical State, Odor, Flammability, pH and Viscosity: Final Report.: Report No.3280-17	46977420	352	Own	
880.1100, 880.1200	Product Identity and Composition (Refined Oil of Nepeta cataria): Report No.NA	47003101	352	Own	
830.1750	Certified Limits and Supplement to Preliminary Analysis: Report No.NA	47003104	352	Own	
830.6303, 830.6315, 830.7000, 830.7100, 830.7300	Physical and Chemical Characteristics of Refined Oil of Nepeta cataria 15% (w/w) Liquid Formulation 16307048: Physical State, Flammability, pH, Viscosity and Relative Density.: Report No.NA	47181308	352	Own	
880.1100, 880.1200	Identity and Composition of 15% Refined Oil of Nepeta cataria Liquid Formulation.: Report No.NA	47181307	352	Own	
830.1750	Certified Limits: 1630704A Liquid and 1630704B Liquid.: Report No.NA	47181309	352	Own	

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Data Matrix

Date: 23-Sep-2016

Applicant's / Registrant's Name & Address:

E. I. DuPont de Nemours and Company, DuPont Crop Protection,
P.O. Box 30, Newark, DE 19714-0030

Product:

Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)

Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
830.6303, 830.6315, 830.6317, 830.6320, 830.7000, 830.7100, 830.7300	Summary of Physical and Chemical Characteristics of Formulations CU 1630704A and CU 1630704A: Report No.NA	47181310	352	Own	
880.1100, 880.1200	Identity and Composition of 1630704A Liquid and 1630704B Liquid.: Report No.NA	47425401	352	Own	
830.1800, 830.6313, 830.7840	Analytical Method for Formulations: Refined Oil of Nepeta cataria 15% Lotion: Report No.NA	47003302	352	Own	
830.6302, 830.6315, 830.7000	Physical and Chemical Characteristics of 15 wt.% Hydrogenated Catmint Oil Lotion: Physical State, Flammability and pH: Report No.3280-14	46977311	352	Own	
830.1750	Certified Limits Lotion Formulation CLI 1630802C and CLI 1630802D.: Report No.NA	47003303	352	Own	
830.6302, 830.6315, 830.7000, 830.7100, 830.7300	Summary of Physical and Chemical Characteristics of Formulations CU 1630802C and CU 1630802D.: Report No.NA	46977310	352	Own	

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Data Matrix

Date: 23-Sep-2016

Applicant's / Registrant's Name & Address:

E. I. DuPont de Nemours and Company, DuPont Crop Protection,
P.O. Box 30, Newark, DE 19714-0030

Product:

Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)

Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
830.7100, 830.7220, 830.7950	Determination of Boiling Point and Vapor Pressure (Static Method) for a Liquid TGAI and Viscosity for Two Lotion Formulations: Report No.DuPont-P00011	47003105	352	Own	
880.1100, 880.1200	Identity and Composition of Formulations CU 1630802C and CU 1630802D.: Report No.NA	47003301	352	Own	
830.6303, 830.6315, 830.7000, 830.7100, 830.7300	Physical and Chemical Characteristics of Refined Oil of Nepeta cataria 7% (w/w) Liquid Formulation 1630704A: Physical State, Flammability, pH, Viscosity, Relative Density: Report No.3280-32	47181402	352	Own	
880.1100, 880.1200	Identity and Composition of 7% Refined Oil of Nepeta cataria Liquid Formulation.: Report No.NA	47181401	352	Own	
830.6303, 830.6315, 830.7000, 830.7100, 830.7300	Physical and Chemical Characteristics of 7 wt Percent Hydrogenated Catmint Oil Lotion: : Physical State, Flammability, and pH, Nepeta cataria Oild: Report No.3280/13	47013901	352	Own	
830.7300	Characterization of Aged Hydrogenated Catnip Oil (HCO) Formulations: Report No.P00009	47234301	352	Own	
830.6317, 830.6320	One Year Storage Stability Analysis and Container Corrosion Characteristics of Refined Oil of Nepeta cataria and Refined Oil of Nepeta cataria Formulations: Report No.CCAS/200702/SO4	48106201	352	Own	

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Data Matrix

Date: 23-Sep-2016

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P.O. Box 30, Newark, DE 19714-0030

Product:

Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)

Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
880.1100, 880.1200, 880.1400	Refined Oil of Nepeta Cataria: Identity and Composition of 15% Lotion and 7% Lotion – Revision to original report identified as MRID 47003301: Report No.DuPont-47695	Submitted Herein	352	Own	
810.3400	Supplement to Efficacy Studies Submitted Under Refined Oil of Nepeta cataria Technical and Manufacturing-Use Product: EPA File Symbol 71654-ER: 1630704A Liquid and 1630704B Liquid: Report No.NA	47181311	352	Own	
NA	Evaluation of the Efficacy of Personal Repellents Against Black Flies in Maine.: Report No.0306/313/0141	47015602	352	Own	
NA	Documentation of Ethical Conduct: Evaluation of the Efficacy of Personal Repellents Against Black Flies in Maine.: Report No.0306/313/0141	47113801	352	Own	
NA	Evaluation of the Efficacy of Personal Repellents Against Mosquitoes in Maine: Report No.0306/313/0142	46977424	352	Own	
NA	Documentation of Ethical Conduct: Evaluation of the Efficacy of Personal Repellents Against Mosquitoes in Maine: Report No.0306/313/0142	47113802	352	Own	
NA	Evaluation of the Efficacy of Personal Repellents Against Mosquitoes in Florida: Report No.0306/313/0143	46977425	352	Own	
NA	Documentation of Ethical Conduct: Evaluation of the Efficacy of Personal Repellents Against Mosquitoes in Florida: Report No.0306/313/0143	47113803	352	Own	
NA	Response from DuPont to the U.S. EPA Genetic Toxicity Recommendation in 'Science Review and Human Health Risk Assessment in Support of the Registration of the Insect Repellent Refined Oil of Nepeta cataria (TGAI), and Two Lotion End-Use Products': Report No.NA	47362604	352	Own	

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WASHINGTON, D.C. 20460

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Data Matrix

Date: 23-Sep-2016

Applicant's / Registrant's Name & Address:

E. I. DuPont de Nemours and Company, DuPont Crop Protection,
P.O. Box 30, Newark, DE 19714-0030

Product:

Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)

Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
NA	Supplement: Prediction of Minor Constituents of Refined Oil of Nepeta cataria as Likely Hydrogenation Products.; Report No.NA	47362602	352	Own	
NA	Supplement to Preliminary Analysis: Physical and Chemical Characteristics: (Nepeta cataria oils); Report No.NA	47370401	352	Own	
NA	Supplement to 'Evaluation of the Efficacy of Personal Repellents against Mosquitoes in Maine' (MRID 46977424), 'Evaluation of the Efficacy of Personal Repellents against Mosquitoes in Florida' (MRID 46977425) : Report No.NA	47362603	352	Own	
NA	Refined Oil of Nepeta cataria:Response to Decision # 434656 (Storage Sstability and Corrosion Characteristics (MRID 48106201)); Report No.DuPont-47312	49993401	352	Own	
870.1100	Hydrogenated Catmint Oil: Acute Dermal Toxicity Study in Rats: Report No.DuPont-17550	46977402	352	Own	
870.1100	Hydrogenated Catmint Oil: Acute Oral Toxicity Study in Rats - Up-and-Down Procedure: Report No.DuPont-17740	46977401	352	Own	
870.1300	Hydrogenated Catmint Oil: Inhalation Median Lethal Concentration (LC50) Study in Rats: Report No.DuPont-17408	46977406	352	Own	
870.2400	Hydrogenated Catmint Oil: Acute Eye Irritation Study in Rabbits: Report No.DuPont-17533	46977403	352	Own	
870.2500	Hydrogenated Catmint Oil: Acute Dermal Irritation Study in Rabbits: Report No.DuPont-17519	46977404	352	Own	
870.2600	Hydrogenated Catmint Oil: Local Lymph Node Assay (LLNA) in Mice: Report No.DuPont-17409	46977405	352	Own	
870.3200	Hydrogenated Catmint Oil: 28-Day Repeated-Dose Dermal Toxicity Study in Rats: Report No.DuPont-17327 RVI	46977415	352	Own	

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Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
870.3700	Hydrogenated Catmint Oil: Developmental Toxicity Study in Rats: Report No.DuPont-17343	46977408	352	Own	
870.5100	Hydrogenated Catmint Oil: Bacterial Reverse Mutation Test: Report No.DuPont-17471	46977410	352	Own	
870.5300	Hydrogenated Catmint Oil: In Vitro Mammalian Cell Gene Mutation Test (L5178Y/TK+/- Mouse Lymphoma Assay): Report No.DuPont-17847	46977413	352	Own	
870.5300	Hydrogenated Catmint Oil: In Vitro Kinetics in Rat and Human Skin: Report No.DuPont-19930 RV1	47015601	352	Own	
870.5375	Hydrogenated Catmint Oil: In Vitro Mammalian Chromosome Aberration Study in Human Peripheral Blood Lymphocytes: Final Report: Report No.DuPont-17472	46977411	352	Own	
870.5395	Hydrogenated Catmint Oil: Mouse Bone Marrow Micronucleus Test: Report No.DuPont-18623 RV1	46977412	352	Own	
870.6200	Hydrogenated Catmint Oil: Acute Oral Neurotoxicity Study in Rats: Report No.DuPont-19148	46977409	352	Own	
870.3100, 870.7800	Hydrogenated Catmint Oil: Subchronic Toxicity 90-Day Oral Gavage Study and Immunotoxicity 28- Day Oral Gavage Study in Rats: Report No.DuPont-17324	46977407	352	Own	
870.1100	H-27923: Acute Dermal Toxicity Study in Rats: Report No.DuPont-22750	47181302	352	Own	
870.1100	H-27923: Acute Oral Toxicity Study in Rats - Up- and-Down Procedure: Report No.DuPont-22811	47181301	352	Own	
870.1300	H-27923: Inhalation Median Lethal Concentration (LC50) Study in Rats: Report No.DuPont-21690	47181306	352	Own	

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Date: 23-Sep-2016

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E. I. DuPont de Nemours and Company, DuPont Crop Protection,
P.O. Box 30, Newark, DE 19714-0030

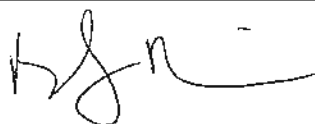
Product:

Refined Oil of Nepeta cataria (352-901), Refined Oil of Nepeta cataria 15% Lotion (352-902), Refined Oil of Nepeta cataria 7% Lotion (352-903), Refined Oil of Nepeta cataria 7% Liquid (352-904), Refined Oil of Nepeta cataria 15% Liquid (352-905)

Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
870.2400	H-27923: Acute Eye Irritation Study in Rabbits: Report No.DuPont-22812	47181303	352	Own	
870.2500	H-27923: Acute Dermal Irritation Study in Rabbits: Report No.DuPont-22470	47181304	352	Own	
870.2600	H-27923: Local Lymph Node Assay (LLNA) in Mice: Report No.DuPont-21296	47181305	352	Own	
870.1100	Lotion 1630802C: Acute Dermal Toxicity Study in Rats: Report No.DuPont-20889	46977302	352	Own	
870.1100	Lotion 1630802C: Acute Oral Toxicity Study in Rats: Report No.DuPont-20904	46977301	352	Own	
870.1300	Formulation CU 1630802C: Median Lethal Inhalation Concentration Waiver Request.: Report No.NA	46977306	352	Own	
870.2400	Lotion 1630802C: Acute Eye Irritation Study in Rabbits: Report No.	46977303	352	Own	
870.2500	Lotion 1630802C: Acute Dermal Irritation Study in Rabbits: Report No.DuPont-20707	46977304	352	Own	
870.2600	Lotion 1630802C: Local Lymph Node Assay (LLNA) in Mice: Report No.DuPont-20161	46977305	352	Own	

Signature



Name and Title: Bonnie J Bieber
Registration Specialist

Date: 23-SEP-2016

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WASHINGTON, D.C. 20460

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Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
			352	Own	
			352	Own	
			352	Own	
			352	Own	

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Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	

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Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	

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Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	

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WASHINGTON, D.C. 20460

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Data Matrix

Date: 23-Sep-2016

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E. I. DuPont de Nemours and Company, DuPont Crop Protection,
P.O. Box 30, Newark, DE 19714-0030

Product:

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Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	

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Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	

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Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	

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Ingredient: Refined Oil of Nepeta cataria

Guideline Reference Number	Guideline Study name:	MRID Number	Submitter	Status	Note
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
			352	Own	
Signature			Name and Title: Bonnie J Bieber Registration Specialist		Date: 23-SEP-2016



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

May 07, 2014

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

MR. JACOB J. VUKICH
E. I. DU PONT DE NEMOURS AND COMPANY (S300/419)
MANAGER, REGISTRATION & REGULATORY AFFAIRS
1007 MARKET STREET
WILMINGTON, DE 19898-0001

Dear Mr. Vukich:

Subject: Transfer of Pesticide Registrations and Data From Company Number 71654 to Company Number 352

Pursuant to your request in your letter and transfer agreement of December 13, 2013, and subsequently received information, we have approved the transfer of the following registrations from **E.I. DUPONT DE NEMOURS AND COMPANY (DUPONT CHEMICALS & FLUROPRODUCTS)**, company number **71654** to **E. I. DU PONT DE NEMOURS AND COMPANY (S300/419)**, company number **352**.

The effective date of these changes is the date of this letter.

<u>Registered Products</u>	<u>Old EPA Reg. No.</u>	<u>New EPA Reg. No.</u>
REFINED OIL OF NEPETA CATARIA	71654-20	352-901
REFINED OIL OF NEPETA CATARIA 7% LOTION	71654-21	352-902
REFINED OIL OF NEPETA CATARIA 15% LOTION	71654-23	352-903
REFINED OIL OF NEPETA CATARIA 7% LIQUID	71654-24	352-904
REFINED OIL OF NEPATA CATARIA 15% LIQUID	71654-25	352-905

You should indicate the new company designation, new EPA Registration Number and new Establishment Number (if it has changed) on the labeling at the next printing which should occur no later than 18 months after the effective date of this transfer. After 18 months, any product released for shipment must bear the new Registration Number and Establishment Number. If you intend to use the labels which currently appear on the transferor's product after the effective date of the transfer, but within the 18 month grace period, you must maintain

complete and accurate records which identify by batch number, lot number, or other suitable description the quantities of such product bearing the transferor's label. Each container or package bearing the transferor's label which is released after the effective date of product registration transfer, must be clearly and accurately marked with the batch number, lot number or other descriptive designation used to identify the product in your records.

Supplemental distribution agreements of registered products do not transfer with the Section 3 registration. It is your responsibility as the registrant to notify any and all supplemental distributors of the transferred product(s) of this transfer agreement. If you wish to enter into supplemental distribution agreements of your product(s) under this new registration, the form "Notice of Supplemental Distribution of a Registered Pesticide Product," EPA Form 8570-5, must be submitted to the Agency for each supplemental distributorship.

You are required to contact your local EPA Regional Office to determine what effect this transfer of pesticide registrations has on the pesticide production establishment registration.

It will not be necessary to submit labeling for review if the only changes are in the company designation and the EPA Registration Number. Other changes in the product and/or labeling may require EPA review and approval prior to distribution or sale of the product containing the new registration number. In any correspondence on these products always refer to the U.S. EPA Registration Number listed above.

The transferred registration will have the same status under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, 7 USC 136 et seq., as it had prior to the approval of this transfer.

When registrations are transferred from one company to a second company, all restrictions, data requirements, conditions (suspensions), and deadlines existing on the registrations are transferred with the registrations. The new company is responsible for adhering to or complying with all such restrictions, etc. on the acquired products.

With regard to deadlines, the transferee company is responsible for submitting all required data according to the schedules already established for the acquired products. Failure to do so will result in the issuance of a Notice of Intent to Suspend. Requests from transferee companies for additional time to submit, because they acquired the registration(s) after the 3(c)(2)(B) request was issued will not be granted. If a transferee company has other valid reasons for delays in the testing which were clearly outside of their control, then such requests for time extensions will be considered in accordance with the established procedures. Transfers occurring while a 3(c)(2)(B) request is being issued or during the 90-day response time are subject to the same conditions expressed above.

Registration is in no way to be construed as an endorsement or approval of these products by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with FIFRA.

Furthermore, the transfer of the subject registrations is approved under the condition that the annual maintenance fee obligation has been fully satisfied. The annual maintenance fee

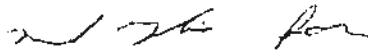
is based solely on the total number of active section 3 and section 24(c) registrations held by the transferor. If the annual maintenance fee has not been fully satisfied, the transferee and transferor will be notified to comply within a specified time period or the affected registrations may be canceled.

The Agency acknowledges it has received a request for data transfer dated December 13, 2013, with subsequently received information, to transfer data ownership from the transferor to the transferee. The data transfer is effective the date of this letter. After this date **E. I. DU PONT DE NEMOURS AND COMPANY (S300/419)** will be considered the data owner. This action will not automatically reflect on the Data Submitters List. If you want to be added to the Data Submitters List, you must submit a request to:

Document Processing Desk (DSL)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Ariel Rios Building
1200 Pennsylvania Avenue, NW
Washington, DC 20460

By copy of this letter we are informing the transferor of these changes. If you have any questions about this transfer approval please contact Louis Vaughn at (703) 308-8114.

Sincerely,



Steve Robbins, Chief
Information Services Branch
Information Technology & Resource Management Div. (7504P)

cc: MR. THOMAS C. MCENTEE
E.I. DUPONT DE NEMOURS AND COMPANY
DUPONT CHEMICALS & FLUOROPRODUCTS
P.O. Box 80402
WILMINGTON, DE 19880-0402

RE: L_71654_RAD_352_05_07_2014

APPENDIX A

Reference: 40 CFR §.152.98 (a) (3)

For Exclusive Use See: 7 USC § 136 et seq., (FIFRA) Sec. 3 (c) (1) (F) and 40 CFR §152.83(c)

MRID or other Identifying Administrative Number	Name of the Study	Name of Person or Lab that Conducted the Study	Date the Study was Submitted to EPA	Is Exclusive Use Claimed? (Y or N)	If Yes then, Date Period of Exclusive Use Ends
46977300	Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Refined Oil of Nepeta cataria 15% Lotion. Transmittal of 8 Studies	E. I. DU PONT DE NEMOURS AND COMPANY	11/1/2006	Y	11/1/2016
46977301	Lotion 1630802C: Acute Oral Toxicity Study in Rats - Up-and-Down Procedure. Project Number: 834, 16615, DUPONT/20904.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
46977302	Lotion 1630802C: Acute Dermal Toxicity Study in Rats. Project Number: DUPONT/20889, 16615, 673.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
46977303	Lotion 1630802C: Acute Eye Irritation Study in Rabbits. Project Number: DUPONT/20905, 16615, 602.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
46977304	Lotion 1630802C: Acute Dermal Irritation Study in Rabbits. Project Number: DUPONT/20707, 16615, 1008.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
46977305	Lotion 1630802C: Local Lymph Node Assay (LLNA) in Mice. Project Number: DUPONT/20161, 16615, 1234.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
46977306	Formulation CU 1630802C: Median Lethal Inhalation Concentration Waiver Request.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
46977310	Summary of Physical and Chemical Characteristics of Formulations CU 1630802C and CU 1630802D.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016

MRID or other Identifying Administrative Number	Name of the Study	Name of Person or Lab that Conducted the Study	Date the Study was Submitted to EPA	Is Exclusive Use Claimed? (Y or N)	If Yes then, Date Period of Exclusive Use Ends
46977311	Physical and Chemical Characteristics of 15 wt.% Hydrogenated Catmint Oil Lotion: Physical State, Flammability and pH. Project Number: 3280/14.	E. I. DU PONT DE NEMOURS AND COMPANY	11/1/2006	Y	11/1/2016
46977400	Submission of Product Chemistry, Toxicity, and Efficacy Data in Support of the Application for Registration of Refined Oil Of Nepeta cataria.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
46977401	Hydrogenated Catmint Oil: Acute Oral Toxicity Study in Rats - Up-and-Down Procedure. Project Number: DUPONT/17740, 15926, 834.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
46977402	Hydrogenated Catmint Oil: Acute Dermal Toxicity Study in Rats. Project Number: DUPONT/17550, 15926, 673.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
46977403	Hydrogenated Catmint Oil: Acute Eye Irritation Study in Rabbits. Project Number: DUPONT/17533, 15926, 602	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
46977404	Hydrogenated Catmint Oil: Acute Dermal Irritation Study in Rabbits. Project Number: DUPONT/17519, 15926, 1008.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
46977405	Hydrogenated Catmint Oil: Local Lymph Node Assay (LLNA) in Mice. Project Number: DUPONT/17409, 15926, 1234.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
46977406	Hydrogenated Catmint Oil: Inhalation Median Lethal Concentration (LC50) Study in Rats. Project Number: DUPONT/17408, 15926, 721.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016

MRID or other Identifying Administrative Number	Name of the Study	Name of Person or Lab that Conducted the Study	Date the Study was Submitted to EPA	Is Exclusive Use Claimed? (Y or N)	If Yes then, Date Period of Exclusive Use Ends
46977407	Hydrogenated Catmint Oil: Subchronic Toxicity 90-Day Oral Gavage Study and Immunotoxicity 28-Day Oral Gavage Study in Rats. Project Number: DUPONT/17324, 15926, 1026	E. I. DU PONT DE NEMOURS AND COMPANY	11/1/2006	Y	11/1/2016
46977408	Hydrogenated Catmint Oil: Developmental Toxicity Study in Rats. Project Number: DUPONT/17343, 15926, 841.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
46977409	Hydrogenated Catmint Oil: Acute Oral Neurotoxicity Study in Rats. Project Number: DUPONT/19148, 15926, 1261.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
46977410	Hydrogenated Catmint Oil: Bacterial Reverse Mutation Test. Project Number: DUPONT/17471, 15926, 500.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
46977411	Hydrogenated Catmint Oil: In Vitro Mammalian Chromosome Aberration Study in Human Peripheral Blood Lymphocytes: Final Report. Project Number: AB15GY/341/BTL, H/26993, 15926.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
46977412	Hydrogenated Catmint Oil: Mouse Bone Marrow Micronucleus Test. Project Number: DUPONT/18623, 15926, 572.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
46977413	Hydrogenated Catmint Oil: In Vitro Mammalian Cell Gene Mutation Test (L5178Y/TK+/- Mouse Lymphoma Assay). Project Number: AB15GY/704/BTL, 15926, 1537.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
46977415	Hydrogenated Catmint Oil: 28-Day Repeated-Dose Dermal Toxicity Study in Rats. Project Number: DUPONT/17327, 15926, 1012	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016

MRID or other Identifying Administrative Number	Name of the Study	Name of Person or Lab that Conducted the Study	Date the Study was Submitted to EPA	Is Exclusive Use Claimed? (Y or N)	If Yes then, Date Period of Exclusive Use Ends
46977420	Physical and Chemical Characteristics of Hydrogenated Catnip Oil (GAI: Color, Physical State, Odor, Flammability, pH and Viscosity: Final Report. Project Number: 3280/17.	E. I. DU PONT DE NEMOURS AND COMPANY	11/1/2006	Y	11/1/2016
46977422	Summary of Physical and Chemical Characteristics of Technical Grade Active Ingredient: (Refined Oil of Nepeta cataria).	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
46977424	Evaluation of the Efficacy of Personal Repellents Against Mosquitoes in Maine. Project Number: G3130306001A044, 0306/313/0142.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
46977425	Evaluation of the Efficacy of Personal Repellents Against Mosquitoes in Florida. Project Number: G3130306001A044, 0306/313/0143.	E. I. DU PONT DE NEMOURS AND COMPANY,	11/1/2006	Y	11/1/2016
47003100	Submission of Product Chemistry Data in Support of the Application for Registration of Refined Oil of Nepeta cataria.	E. I. DU PONT DE NEMOURS AND COMPANY,	112/8/2006	Y	12/8/2016
47003101	Product Identity and Composition (Refined Oil of Nepeta cataria)	E. I. DU PONT DE NEMOURS AND COMPANY,	12/8/2006	Y	12/8/2016
47003102	Solubility Analysis, and Storage Stability Analysis of Hydrogenated Catnip Oil (HCO) Active Ingredient project Number: P00010, P0002395.	E. I. DU PONT DE NEMOURS AND COMPANY,	12/8/2006	Y	12/8/2016
47003103	Enforcement Analytical Method for the Active Ingredient: (Hydrogenated Catnip Oil). Project Number: DUPONT/P00010, P0002366.	E. I. DU PONT DE NEMOURS AND COMPANY,	12/8/2006	Y	12/8/2016

MRID or other Identifying Administrative Number	Name of the Study	Name of Person or Lab that Conducted the Study	Date the Study was Submitted to EPA	Is Exclusive Use Claimed? (Y or N)	If Yes then, Date Period of Exclusive Use Ends
47003104	Certified Limits and Supplement to Preliminary Analysis.	E. I. DU PONT DE NEMOURS AND COMPANY	12/8/2006	Y	12/8/2016
47003105	Determination of Boiling Point and Vapor Pressure (Static Method) for a Liquid TGA1 and Viscosity for Two Lotion Formulations. Project Number: DUPONT/P00011, 50487.	E. I. DU PONT DE NEMOURS AND COMPANY,	12/8/2006	Y	12/8/2016
47003300	Submission of Product Chemistry Data in Support of the Application for Registration of Refined Oil of Nepeta cataria 15% Lotion.	E. I. DU PONT DE NEMOURS AND COMPANY,	12/8/2006	Y	12/8/2016
47003301	Identity and Composition of Formulations CU 1630802C and CU 1630802D.	E. I. DU PONT DE NEMOURS AND COMPANY,	12/8/2006	Y	12/8/2016
47003302	Analytical Method for Formulations: Refined Oil of Nepeta cataria 15% Lotion. Project Number: 00010, 0002366, E108324/119.	E. I. DU PONT DE NEMOURS AND COMPANY,	12/8/2006	Y	12/8/2016
47003303	Certified Limits Lotion Formulation CLI 1630802C and CLI 1630802D.	E. I. DU PONT DE NEMOURS AND COMPANY,	12/8/2006	Y	12/8/2016
47013900	Submission of Product Chemistry Data in Support of the Application for Registration of Refined Oil of Nepeta cataria 7 Percent Lotion.	E. I. DU PONT DE NEMOURS AND COMPANY,	12/27/2006	Y	12/27/2016
47013901	Physical and Chemical Characteristics of 7 wt Percent Hydrogenated Catmint Oil Lotion: Physical State, Flammability and pH: Nepeta cataria Oils. Project Number: 3280/13.	E. I. DU PONT DE NEMOURS AND COMPANY,	12/27/2006	Y	12/27/2016

MRID or other Identifying Administrative Number	Name of the Study	Name of Person or Lab that Conducted the Study	Date the Study was Submitted to EPA	Is Exclusive Use Claimed? (Y or N)	If Yes then, Date Period of Exclusive Use Ends
47015600	Submission of Toxicity and Efficacy Data in Support of the Application for Registration of Refined Oil of Nepeta cataria.	E. I. DU PONT DE NEMOURS AND COMPANY	12/28/2006	Y	12/28/2016
47015601	Hydrogenated Catmint Oil: In Vitro Kinetics in Rat and Human Skin. Project Number: 19930, 15926, 1377.	E. I. DU PONT DE NEMOURS AND COMPANY,	12/28/2006	Y	12/28/2016
47015602	Evaluation of the Efficacy of Personal Repellents Against Black Flies in Maine. Project Number: G3130306002A121, 0306/313/0141.	E. I. DU PONT DE NEMOURS AND COMPANY,	12/28/2006	Y	12/28/2016
47113800	Submission of Efficacy Data in Support of the Application for Registration of Refined Oil of Nepeta cataria Technical, Refined Oil of Nepeta cataria 15% Lotion, and Refined Oil of Nepeta cataria 7% Lotion.	E. I. DU PONT DE NEMOURS AND COMPANY,	04/24/2007	Y	04/24/2017
47113801	Documentation of Ethical Conduct: Evaluation of the Efficacy of Personal Repellents Against Black Flies in Maine. Project Number: 0306/313/0141.	E. I. DU PONT DE NEMOURS AND COMPANY,	04/24/2007	Y	04/24/2017
47113802	Documentation of Ethical Conduct: Evaluation of the Efficacy of Personal Repellents Against Mosquitoes in Maine. Project Number: 0306/313/0142, G3130306001A044.	E. I. DU PONT DE NEMOURS AND COMPANY,	04/24/2007	Y	04/24/2017
47113803	Documentation of Ethical Conduct: Evaluation of the Efficacy of Personal Repellents Against Mosquitoes in Florida. Project Number: 0306/313/0143, G3130306001A044.	E. I. DU PONT DE NEMOURS AND COMPANY,	04/24/2007	Y	04/24/2017
47181300	Submission of Toxicity, Product Chemistry and Efficacy Data in Support of the Application for Registration of Refined Oil of Nepeta cataria 15% Liquid.	E. I. DU PONT DE NEMOURS AND COMPANY,	07/18/2007	Y	07/18/2017

MRID or other Identifying Administrative Number	Name of the Study	Name of Person or Lab that Conducted the Study	Date the Study was Submitted to EPA	Is Exclusive Use Claimed? (Y or N)	If Yes then, Date Period of Exclusive Use Ends
47181301	H-27923: Acute Oral Toxicity Study in Rats - Up-and-Down Procedure. Project Number: DUPONT/22811, 17035, 834.	E. I. DU PONT DE NEMOURS AND COMPANY	07/18/2007	Y	07/18/2017
47181302	H-27923: Acute Dermal Toxicity Study in Rats. Project Number: DUPONT/22750, 17035, 673.	E. I. DU PONT DE NEMOURS AND COMPANY,	07/18/2007	Y	07/18/2017
47181303	H-27923: Acute Eye Irritation Study in Rabbits. Project Number: DUPONT/22812, 17035, 602.	E. I. DU PONT DE NEMOURS AND COMPANY,	07/18/2007	Y	07/18/2017
47181304	H-27923: Acute Dermal Irritation Study in Rabbits. Project Number: DUPONT/22470, 17035, 1008.	E. I. DU PONT DE NEMOURS AND COMPANY,	07/18/2007	Y	07/18/2017
47181305	H-27923: Local Lymph Node Assay (LLNA) in Mice. Project Number: DUPONT/21296, 17035, 1234.	E. I. DU PONT DE NEMOURS AND COMPANY,	07/18/2007	Y	07/18/2017
47181306	H-27923: Inhalation Median Lethal Concentration (LC50) Study in Rats. Project Number: DUPONT/21690, 17035, 721.	E. I. DU PONT DE NEMOURS AND COMPANY,	07/18/2007	Y	07/18/2017
47181307	Identity and Composition of 15% Refined Oil of Nepeta cataria Liquid Formulation.	E. I. DU PONT DE NEMOURS AND COMPANY,	07/18/2007	Y	07/18/2017
47181308	Physical and Chemical Characteristics of Refined Oil of Nepeta cataria 15% (w/w) Liquid Formulation 16307048: Physical State, Flammability, pH, Viscosity and Relative Density. Project Number: 3280/33, APEX838/06.	E. I. DU PONT DE NEMOURS AND COMPANY,	07/18/2007	Y	07/18/2017

MRID or other Identifying Administrative Number	Name of the Study	Name of Person or Lab that Conducted the Study	Date the Study was Submitted to EPA	Is Exclusive Use Claimed? (Y or N)	If Yes then, Date Period of Exclusive Use Ends
47181309	Certified Limits: 1630704A Liquid and 1630704B Liquid.	E. I. DU PONT DE NEMOURS AND COMPANY	07/18/2007	Y	07/18/2017
47181310	Summary of Physical and Chemical Characteristics of Formulations CU 1630704A and CU 1630704A	E. I. DU PONT DE NEMOURS AND COMPANY,	07/18/2007	Y	07/18/2017
47181311	Supplement to Efficacy Studies Submitted Under Refined Oil of Nepeta cataria Technical and Manufacturing-Use Product: EPA File Symbol 71654-ER: 1630704A Liquid and 1630704B Liquid	E. I. DU PONT DE NEMOURS AND COMPANY,	07/18/2007	Y	07/18/2017
47181400	Submission of Product Chemistry Data in Support of the Application for Registration of Refined Oil of Nepeta cataria 7% Liquid.	E. I. DU PONT DE NEMOURS AND COMPANY,	07/18/2007	Y	07/18/2017
47181401	Identity and Composition of 7% Refined Oil of Nepeta cataria Liquid Formulation.	E. I. DU PONT DE NEMOURS AND COMPANY,	07/18/2007	Y	07/18/2017
47181402	Physical and Chemical Characteristics of Refined Oil of Nepeta cataria 7% (w/w) Liquid Formulation 1630704A: Physical State, Flammability, pH, Viscosity, Relative Density. Project Number: 3280/32.	E. I. DU PONT DE NEMOURS AND COMPANY,	07/18/2007	Y	07/18/2017
47234300	Submission of Product Chemistry Data in Support of the Application for Registration of Refined Oil of Nepeta cataria 15% Lotion.	E. I. DU PONT DE NEMOURS AND COMPANY,	01/05/2007	Y	01/05/2017
47234301	Characterization of Aged Hydrogenated Catnip Oil (HCO) Formulations. Project Number P0002216, P00009.	E. I. DU PONT DE NEMOURS AND COMPANY,	01/05/2007	Y	01/05/2017

MRID or other Identifying Administrative Number	Name of the Study	Name of Person or Lab that Conducted the Study	Date the Study was Submitted to EPA	Is Exclusive Use Claimed? (Y or N)	If Yes then, Date Period of Exclusive Use Ends
47362600	Submission of Product Chemistry, Toxicity and Efficacy Data in Support of the Application for Registration of the Refined Oil of <i>Nepeta cataria</i> .	E. I. DU PONT DE NEMOURS AND COMPANY	03/04/2008	Y	03/04/2018
47362602	Supplement: Prediction of Minor Constituents of Refined Oil of <i>Nepeta cataria</i> as Likely Hydrogenation Products.	E. I. DU PONT DE NEMOURS AND COMPANY,	03/04/2008	Y	03/04/2018
47362603	Supplement to 'Evaluation of the Efficacy of Personal Repellents against Mosquitoes in Maine' (MRID 46977424), 'Evaluation of the Efficacy of Personal Repellents against Mosquitoes in Florida' (MRID 46977425) and 'Evaluation of the Efficacy of Personal Repellents against Blackflies in Maine' (MRID 47015602).	E. I. DU PONT DE NEMOURS AND COMPANY,	03/04/2008	Y	03/04/2018
47362604	Response from DuPont to the U.S. EPA Genetic Toxicity Recommendation in 'Science Review and Human Health Risk Assessment in Support of the Registration of the Insect Repellent Refined Oil of <i>Nepeta cataria</i> (TGAI), and Two Lotion End-Use Products'.	E. I. DU PONT DE NEMOURS AND COMPANY,	03/04/2008	Y	03/04/2018
47370400	Submission of Product Chemistry Data in Support of the Application for Registration of <i>Nepeta cataria</i> oils.	E. I. DU PONT DE NEMOURS AND COMPANY,	03/13/2008	Y	03/13/2018
47370401	Supplement to Preliminary Analysis: Physical and Chemical Characteristics: (<i>Nepeta cataria</i> oils).	E. I. DU PONT DE NEMOURS AND COMPANY,	03/13/2008	Y	03/13/2018
47422900	Submission of Product Chemistry Data in Support of the Applications for Registration of Refined Oil of <i>Nepeta cataria</i> 15% Lotion and Refined Oil of <i>Nepeta cataria</i> 7% Lotion.	E. I. DU PONT DE NEMOURS AND COMPANY,	05/13/2008	Y	05/13/2018
47422901	Supplement to Product Chemistry Requirements: (Refined Oil of <i>Nepeta cataria</i>).	E. I. DU PONT DE NEMOURS AND COMPANY,	05/13/2008	Y	05/13/2018

MRID or other Identifying Administrative Number	Name of the Study	Name of Person or Lab that Conducted the Study	Date the Study was Submitted to EPA	Is Exclusive Use Claimed? (Y or N)	If Yes then, Date Period of Exclusive Use Ends
47425400	Submission of Product Chemistry Data in Support of the Applications for Registration of Refined Oil of Nepeta cataria 15% Liquid and Refined Oil of Nepeta cataria 7% Liquid.	E. I. DU PONT DE NEMOURS AND COMPANY	05/15/2008	Y	05/15/2018
47425401	Identity and Composition of 1630704A Liquid and 1630704B Liquid.	E. I. DU PONT DE NEMOURS AND COMPANY,	05/15/2008	Y	05/15/2018
48106200	Submission of Product Chemistry Data in Support of the Registrations of Refined Oil of Nepeta cataria Technical, Refined Oil of Nepeta cataria 15% Lotion, Refined Oil of Nepeta cataria 7% Lotion, Refined Oil of Nepeta cataria 15% Liquid and Refined Oil of Nepeta cataria 7% Liquid.	E. I. DU PONT DE NEMOURS AND COMPANY,	05/27/2008	Y	05/27/2018
48106201	One Year Storage Stability Analysis and Container Corrosion Characteristics of Refined Oil of Nepeta cataria and Refined Oil of Nepeta cataria Formulations. Project Number: CCAS/200702/S04, APEX/838/04.	E. I. DU PONT DE NEMOURS AND COMPANY,	05/27/2008	Y	05/27/2018

DuPont Crop Protection
 Sino-Haskell Research Center
 P. O. Box 30
 Newark, DE 19714-0030



CONTAINS CONFIDENTIAL BUSINESS INFORMATION

ACTION: Submission of Amended CSF and Revised Description of Formulation Process

FEE CATEGORY: B680

REGISTRATION FEE: \$5,107

September 23, 2016

Ms. Linda Hollis
 Biopesticides and Pollution Prevention Division (BPPD)
 US Environmental Protection Agency
 Office of Pesticide Programs (7504P)
 One Potomac Yard
 2777 South Crystal Drive
 Arlington, VA 22202

SUBJECT: Submission of Revised Description of Formulation Process and Amended CSF's for:

EPA Registration Number	Product Name
352-903	Refined Oil of Nepeta Cataria 7% Lotion
352-902	Refined Oil of Nepeta Cataria 15% Lotion

Dear Ms. Hollis

Amended Confidential Statements of Formula (CSFs) for the two subject products are enclosed. The purpose for submission of these amended CSFs is to replace one of the inert ingredients present in both formulations [REDACTED] with substitute inert ingredients that are listed on EPA's list of approved inert ingredients. This substitution plan was discussed with BPPD staff (Linda Hollis, et al.) in a meeting on September 14, 2016.

As presented in that meeting, [REDACTED] will be replaced with the following inert ingredients:

[REDACTED]

CONTAINS CONFIDENTIAL BUSINESS INFORMATION

Taken together, these substitute ingredients are:

- Chemically equivalent to [REDACTED]
- Serve the same purpose in the formulations
- Present at the same concentration (combined) as [REDACTED]

In addition to the substitution described above, the following non-substantive changes are being made to both CSFs to update the information and correct minor errors on the current CSFs.

Those changes are:

1. For the TGAI (Refined Oil of *Nepeta cataria*) – Update of the CAS No. to 952722-18-8. This is the CAS No. listed in the Biopesticides Registration Action Document for the TGAI, dated August 25, 2010.

2. [REDACTED]

3. [REDACTED]

4. [REDACTED]


5. [REDACTED]

Also being submitted is a revised description of the formulation process for the subject formulations. This revised document updates the list of formulation ingredients and the description of the formulation process to be consistent with the amended CSFs, which are enclosed.

Enclosed in support of this submission are three copies of the report titled "Refined Oil of *Nepeta Cataria*: Identity and Composition of 15% Lotion and 7% Lotion – Revision to original report identified as MRID 4700330" (identified as DuPont-47695), Form 8570-1, a data transmittal document, one copy of the existing CSF's for each of these formulations, and two copies of the proposed CSF's for each formulation, one with changes highlighted.

Please contact me at (302) 451-4525 or by email bonnie.j.bieber@dupont.com if you have any questions or need additional information regarding the requested action.

Sincerely,



Bonnie J Bieber
Product Registration Specialist
DuPont Crop Protection

DATA TRANSMITTAL DOCUMENT

Refined Oil of *Nepeta cataria*

Name and Address of Submitter:

E.I. DuPont de Nemours and Company
1090 Elkton Road
P.O. Box 30
Newark, DE 19711

Phone (302) 451-4525

Regulatory Action in Support of Which this Package is Submitted:

Information submitted in support of continued registration.

Product Name

EPA Registration No

Refined Oil of *Nepeta cataria*
Refined Oil of *Nepeta cataria* 7% Lotion
Refined Oil of *Nepeta cataria* 15% Lotion

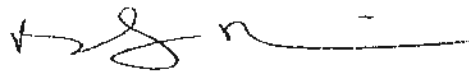
352-901
352-903
352-902

Transmittal Date: September 23, 2016, 2016

List of Submitted Studies:

<u>Data Requirement</u>	<u>Doc Number</u>	<u>Study Title</u>	<u>MRID</u>
880.1100 880.1200 880.1400	.DuPont-47695	Refined Oil of <i>Nepeta Cataria</i> : Identity and Composition of 15% Lotion and 7% Lotion – Revision to original report identified as MRID 47003301	50032401

Submitter:



Date: 23-Sept-2016

Bonnie J Bieber

Product Registration Specialist

Company Name: E.I. du Pont de Nemours and Company

Company Contact: Bonnie J Bieber

Contact:

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